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A LIST  
OF THE  
FLOWERING PLANTS & FERNS  
OF  
NEWFOUNDLAND

WITH METEOROLOGICAL OBSERVATIONS

BY

HENRY REEKS, F.L.S. E.Z.S.,

&c., &c.

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## NOTES ON THE FLORA OF NEWFOUNDLAND,

[READ BEFORE LINNEAN SOCIETY, DECEMBER 2, 1869.]

THE following list of Flowering Plants and Ferns was compiled during an ornithological trip to Newfoundland from August, 1866 to August, 1868.—and perhaps owes its origin almost entirely to a sick bed, on which I spent many months suffering from a very severe frost bite, which leaves me partially a cripple to this day. That this list has no other faults than those of omission. I am far from thinking; in fact perhaps its only merit consists in its originality, for at present I am not aware of the existence of any other list extant; although I know that small collections of plants have been sent or brought home from time to time. The specimens for the most part were kindly brought me by the settlers or their children, and under such circumstances, as one may naturally suppose, were generally of the most wretched description. Again others were identified, or supposed to be, when I was so weak as scarcely to be able to sit up sufficiently long to examine them; and added to this not having my press or drying paper with me the specimens were generally thrown aside after examination, or placed between the leaves of a book, whence they often got lost.

Three hundred and seventy-one species besides varieties have been enumerated. Of these six, besides *Calluna vulgaris* and *Botrychium Lunaria* are new to the flora of North America, while three of them, to which I have provisionally given names, appear not to have been previously described, viz:—*Viola Burtonii*, *Euphrasia purpurea* and *Iris biflora*. Professor C. Dewey, D.D., gives 186 species of *Carex* for North America, but I have only identified 29 in Newfoundland; also but 38 Grasses of the 258 said to grow in the United States and Canada. The Classification and Nomenclature are taken from Professor A. Wood's "Class Book of Botany," published by A. S. Barnes and Co., New York, 1866.

# A LIST OF THE FLOWERING PLANTS AND FERNS.

Marked \* are not included in Hooker's "Flora Borealis Americana."

## RANUNCULACEÆ.

- Anemone narcissiflora* *A. parviflora*  
~~*Thalictrum dioicum*~~ *T. confine*  
 " *cornuti*  
 " *alpinum*  
*Ranunculus acris*  
 " *sclerátus*  
*Caltha palustris*  
*Ooptis trifolia*  
*Aconitum Napellus* (introduced)  
*Cimicifuga racemosa*  
 \**Actæa spicata* (fl. June—July)

## NYMPHÆACEÆ.

- Nymphæa odorata*: rare?  
*Nuphar advena* (Beaver-root)

## SARRACENIACEÆ.

- Sarracenia purpurea* (Indian-pipes)

## CRUCIFERÆ.

- Arabis hirsuta* = *A. alpinus*  
 " *canadensis*?  
*Sisymbrium officinale*  
 " *canescens*  
*Draba verna* = *D. incana*  
*Capsella Bursa-pastoris*

## VIOLACEÆ.

- Viola blanda*  
 \* " *Burtonii* n. sp.? Agrees with  
*V. blanda* except in having the  
 lateral petals bearded, and the  
 upper petal only beautifully veined  
 with purple. Fragrant. May—  
 June.  
*Viola cucullata*  
 " *canadensis*

## DROSERACEÆ.

- Drosera rotundifolia*

## CARYOPHYLLACEÆ.

- Cerastium vulgatum*  
 " *viscosum* = *C. virginicum*  
*Stellaria media*  
 " *borealis*  
*Arenaria lateriflora*  
*Alsine stricta* = *A. stricta*  
 " *Greenlandica* *var. procumbens*  
*Sagina nodosa*  
*Honkenya peploides*  
*Spargula arvensis*  
 \**Paronychia canadensis*  
 \**Scleranthus annuus*  
*Mollugo verticillata*?

## BALSAMINACEÆ.

- Impatiens fulva*

## ACERACEÆ.

- Acer Pennsylvanicum*  
 " *spicatum*  
 N.B.—The genus *Acer* is not  
 found on the island so far  
 north as Cow Head.

## LEGUMINOSÆ.

- Pisum sativum* (cultivated)  
*Lathyrus palustris*  
 " *maritimus*  
*Hedys'arum boreale*  
*Trifolium repens*  
 " *pratense* (introduced)

## ROSACEÆ.

- Sanguisor'ba canadensis*  
*Cerasus Pennsylvanica* (from Bonne  
 Bay South)  
*Amelan'chior canadensis*  
*Pyrus Americana*  
*Rosa lucida*  
 " *carolina*  
*Agrimonia Eupatoria*

Jan 25/88 wrong

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 York,

- ? *Geum triflorum*  
 " *rivale*  
 " *macrophyllum*  
*Rubus hispida*  
 " *arcticus*. Cow Head; com-  
 mon. N.B.—New to the Flora  
 of N. America.  
 ? *Rubus canadensis*  
 " *Chamaemorus*  
 " *strigosus*  
 " *triflorus*  
*Fragaria virginiana*  
 " *vesca*?  
*Comarum palustre*  
*Potentilla Norvegica*  
 " *argentea*. *pacifica*?  
 ? *Spiraea tomentosa*  
 " *salicifolia*

## ONAGRACEÆ.

- Epilobium angustifolium*, (an abun-  
 dant and troublesome weed, called  
 "blood-vine" by the settlers.)  
 " *alpinum* = *hornemannii*  
 " *palustre*  
 " *tetragonum* = *aduncum*  
*Circea alpina*  
*Myriophyllum verticillatum*  
 " *tonellum*  
*Hippuris vulgaris* (near Bonne Bay:  
 rare?)

## GROSSULACEÆ.

- Ribes lacustre*  
 " *hirtellum*  
 " *oxycanthoides*  
 " *rubrum* ♂ (white fruit.) In-  
 troduced.

## CRASSULACEÆ.

- ? *Penthorum sedoides* = *Sedum roseum*

## SAXIFRAGACEÆ.

- Mitella nuda*  
 N.B.—This species is common at  
 Cow Head, N.F.L., but I did  
 not meet with the more com-  
 mon species (*M. diphylla*).

## UMBELLIFERÆ.

- Sanicula canadensis* = *S. maryl.*  
*Heracleum lanatum*

- Archangelica officinalis*, introduced?  
 " *peregrina*.  
 \* *Daucus carota* (introduced)

## ARALIACEÆ.

- Aralia nudicaulis*  
 " *racemosa*

## CORNACEÆ.

- Cornus canadensis*  
 " *sericea*?  
 " *paniculata*?  
 " *stolonifera*  
 " *suecica*—Common at Cow  
 Head. Flowers in July. New  
 to the Flora of N. America.

## CAPRIFOLIACEÆ.

- Linnæa borealis*, (abundant)  
*Lonicera coerulea*  
*Sambucus pubens*  
 N.B.—This plant does not appear  
 to grow north of Rocky Har-  
 bour, or perhaps Lobster Cove  
 (49° 33' N.L.)  
 \* *Viburnum Opulus*  
 " *pauciflorum*

## RUBIACEÆ.

- Galium boreale*? *latifolium*?  
 " *asprellum*  
*Mitchella repens*

## COMPOSITEÆ.

- Aster puniceus*  
*Erigeron canadense*?  
 " *Philadelphicus*?  
*Solidago canadensis*  
 " *altissima*  
 " *arguta*?  
*Achillea Millefolium*  
*Leucanthemum vulgare*  
*Tanacetum vulgare* (introduced)  
*Antennaria margaritacea*  
 " *plantaginifolia*?  
*Senecio aureus*  
 \* *Centaurea Cyanus* (introduced)  
*Cirsium muticum*  
*Nabalus altissimus*  
 " *albus* *latifolius*?  
*Taraxacum Dens-leonis*



# CAMPANULACEÆ.

## Campanula rotundifolia

N.B. — The Newfoundland variety (?) of this plant differs from the European form in being much less branched, with fewer, but much larger flowers; average specimens of which measure 1 inch long by 1 inch 2 lines wide, and are much more pentagonal in form. The plant is called 'thimble-flower' in Newfoundland.

# ERICACEÆ.

## Gaylussacia resinosa

## Vaccinium caespitosum

" Canadense

" Pennsylvanicum

" corymbosum

## Oxycoccus palustris

" macrocarpum

## Chiogetes hispidula

## Kalmia glauca

## Epigaea repens

## Arctostaphylos Uva-ursi

? Gaultheria procumbens

## Andromeda polifolia - glaucophylla

" calyculata

## Ledum palustre - frigidulum

## Pyrula secunda

" minor

" chlorantha

## Moneses grandiflora

? Chimaphila umbellata ?

## Monotropa uniflora

" Hypopitys

## Calluna vulgaris

N.B. — Through the kindness of the Bishop of N.F.L., I have recently received a liberal supply of this plant in flower. The specimens were gathered near Capelin Bay in about 47° N.L., and 53° West long. All the known localities for this plant in N.F.L. appear to be in about the same latitude, and between 53°—54° west longitude! viz., "Head of St. Mary's Bay and Trepassoy Bay," (Mr. W. E. Cormack).

Professor Geo. Lawson, in Transactions of Nova Scotia Institute of Nat. Science records having gathered Calluna vulgaris on Ustlon Farm, St. Anns Bay, Cape Breton Island. It has also been gathered at Tewksbury, Massachusetts.

# PRIMULACEÆ.

Primula Mistassinica } both  
" farinosa } common.  
Trientalis Americana  
Samolus valerandi ?

# PLANTAGINACEÆ.

## Plantago major (Introduced?)

" lanceolata - decapetala

# PLUMBAGINACEÆ.

## Statice Limonium

Arméria vulgaris (rare?)

# LENTIBULACEÆ.

## Pinguicula vulgaris

## Utricularia intermedia

\* " minor  
" vulgaris  
" ? subulata } rare?  
" cornuta }

# OROBANCHACEÆ.

## Conopholis Americana

## Aphyllon uniflora

# SCROPHULARIACEÆ.

## Veronica Anagallis: americana

" scutellata

" serpyllifolia

## Castilleja septentrionalis

## Pedicularis Canadensis ?

## Rhinanthus Crista-galli

## Euphrasia officinalis, common form.

" purpurea, n. sp.? This form of eyebright occurs in considerable patches on the sea coast at Cow Head, N.F.L., and is readily distinguished when growing by its being much smaller proportionally in all its parts, and by its dark purple flowers. (E. gracilis? Fries.)



## LABIATÆ.

*Mentha viridis*  
 " *Canadensis*  
*Brunella vulgaris*  
*Scutellaria galericulata*  
 " *lateriflora*

## BORRAGINACEÆ.

*Mertensia maritima*  
*Echinospermum Lappula*  
*Cynoglossum officinale* } rare!  
 " *Morriessoni*

## GENTIANACEÆ.

*Gentiana crinita* = *serrata*  
 " *Andrewsii* ?  
 " *Amarella*  
 N.B.--This last is common among  
 short grass at Cow Head,  
 N.F.L., and is new to the  
 flora of N. America. (G. acuta  
 of Michx.?)

*Halenia deflexa*  
*Menyanthes trifoliata*

## OLEACEÆ.

*Fraxinus Americana* = *maria*  
 N.B.—North as far as Bonne  
 Bay, N.F.L.  
 " *pubescens*? Bonne Bay.

## POLYGONACEÆ.

*Oxyria reniformis*  
*Rumex crispus*  
 " *verticillatus* = *Scutellaria*  
 " *Acetosella*  
*Polygonum aviculare*  
 " *hydropiperoides* } same?  
 " *Hydropiper*  
 " *amphibium*  
 " *viviparum*

## CHENOPODIACEÆ.

*Blitum capitatum*

## SANTALACEÆ.

*Comandra umbellata* = *C. livida*

## URTICACEÆ

*Urtica procera* = *Lyallii*?  
 " *dioica* (Introduced?)

## EMPETRACEÆ.

*Empetrum nigrum*  
 \* *Corema Conradii* (rare?)

## CUPULIFERÆ.

*Corylus Americana* ?  
 " *rostrata* (rare?)

## BETULACEÆ.

*Betula excelsa*, (North to Bonne  
 Bay.)  
 " *lenta*, rare at Cow Head. ?  
 \* " *nigra* ?  
 " *papyracea*  
 " *pumila*  
*Alnus incana*  
 " *serrulata* = *mellia*

## MYRICACEÆ.

*Myrica Gale*

## SALICACEÆ.

*Salix purpurea*  
 " *longifolia*  
 " *repens*  
 " *herbacæa*  
 " *lucida*  
*Populus balsamifera*  
 " *candicans*

## CALLITRICHACEÆ.

*Callitriche verna*

## CONIFERÆ.

*Pinus strobus*  
 \* " *mitis* ?  
 " *resinosa*  
 " *Banksiana* ?  
*Abies balsamea*  
 " *alba*  
 " *rubra*  
 " *nigra*  
*Larix Americana*  
*Juniperus communis*  
 " *prostrata*, (common)

## TAXACEÆ.

*Taxus Canadensis*

### TYPHACEÆ.

- Typha latifolia*  
 \*     *"  augustifolia*  
*Spar'ganum ramòsum*  
        *"    nàtans*

### NAIADACEÆ.

- Zannichellia palustris*  
 \* *Zostera marina*  
*Ruppia maritima*

### ALISMACEÆ.

- Alis'ma plantago*  
*Sagittaria variàbilis*  
*Triglòchin palustre*

### ORCHIDACEÆ.

- \* *Cypripedium càndidum*  
        *"    spectàbilis*  
        *"    acaulè*  
        *"    arietinum*  
*Platanthera hyperborea*  
        *"    Paysondes*  
*Lis'tera cordata*  
        *"    convallarioides*  
*Spiran'thes gràcilis*  
        *"    cèrnua*  
 \*     *"    latifolia*  
*Pogonia ophioglossoides*

### IRIDACEÆ.

- Iris versicolor*  
        *"    biflòra, Not Linn, n. sp.? Two*  
        *flowered Iris. Leaves linear,*  
        *shorter than the smooth round*  
        *stem which is 8-10 inches high,*  
        *and bears two light purple*  
        *flowers, one of which withers*  
        *before the other expands. Pe-*  
        *tals very small, linear-lanceolate.*  
        *Flowers in June. Common at*  
        *Cow Head, N.F.L. amongst short*  
        *grass. Said by Prof. Babington*  
        *to resemble I. Virginica.*

### *Sisyrinchium Bermudianum?*

N.B.—I see no difference between this plant and the European *S. anceps*: I have never been able to gather a specimen in which the longer valve of the spathe did *not overtop* the flowers; although it is said *not* to do so in *S. Bermudianum*.

### LILIACEÆ.

- Allium schœnoprasum* (cultivated)  
*Polygonatum multiflorum*  
        *"    pubescens*  
*Clinto'nia borealis*  
*Smilacina stellata*  
        *"    trifolia*  
*Majan'themum bifolium*  
*Prosar'tes lanuginosa*

### JUNCACEÆ.

- Lázula pilosa*  
        *"    campestris*  
*Jun'cus effusus*  
        *"    scirpoides*  
 \*     *"    débilis*  
 \*     *"    acuminatus*  
 \*     *"    cônradi*  
        *"    bufonius*  
        *"    tenuis*  
 \*     *"    bulbosus*

### CYPERACEÆ.

- Cypérus inflexus*  
 \* *Fleochâris tenuis*  
        *"    obtusà*  
*Scir'pus lacustris*  
        *"    pungens*  
        *"    Eriophorum*  
*Eriophorum vaginatum*  
        *"    Virginicum*  
        *"    polystachyon*  
        *"    gracile*

### *Rhynchos'pora glomerata*

### \* *Cladium mariscoides*

### *Carex distycha*

- "    muricata* —  
*"    retroflexa* —  
*"    stipata* —  
*"    mirabilis* —  
*"    scoparia* —  
*"    caespitosa*  
*"    stricta* —  
*"    argustata*  
*"    aquatilis* —  
*"    maritima* —  
*"    salina* —  
*"    obtusata* —  
*"    Backii* —  
*"    Buxbaumii* —  
 \*     *"    formosa*  
        *"    pubescens*

- Carex flava* —  
 " *plantaginea* —  
 " *laxiflora* —  
 " *débilis* —  
 " *arctata* —  
 " *Richardsonii* —  
 " *subulata* —  
 " *hystericina* —  
 • " *comosa* —  
 " *filiformis* —  
 " *Schweinitzii* —  
 " *lacustris* —

## GRAMINEÆ.

- Isæria oryzoides* (rare ?)  
 " *Virginica*  
*Zizania aquatica*  
*Agrostis vulgaris*  
 • " *scabra*  
*Cinna pendula*  
*Alopecurus pratensis*  
 " *geniculatus*  
*Phleum pratense* (cultivated)  
*Oryzopsis asperifolia*  
*Panicum depanperatum*  
 • " *dichotomum*  
 • " *lanuginosum*  
*Phalaris arundinacea*  
*Anthoxanthum odoratum* (introd.)  
*Hierochloa borealis*  
*Aira flexuosa*  
 " *cæspitosa*  
*Danthonia spicata*  
 • *Bromus ciliatus*  
*Dactylis glomerata* (introduced) ○  
*Festuca duriuscula*  
 " *pratensis* (introduced)  
*Eatonia Pennsylvanica*  
*Poa annua*  
 " *laxa*  
 " *compressa*  
 " *serotina*  
 • " *trivialis*  
 " *pratensis*  
*Glyceria aquatica*

*Glyceria Canadensis*

- " *maritima*  
 • *Briza media* (introduced)  
*Elymus Hystrix*  
 • *Lolium perenne* (introduced)  
 • *Triticum repens* (introduced)  
 • *Spartina juncea*  
 • " *alternifolia*

## LYCOPODIACEÆ.

- Lycopodium clavatum*  
 " *complanatum*  
 " *dendroideum*  
 " *annotinum*  
 " *lucidulum*

## EQUISETACEÆ.

- Equisetum sylvaticum*  
 " *limosum*  
 " *hyemale*

## FILICES.

*Botrychium lunaria* ?

N.B.—The Newfoundland plant appears to come nearer *B. lunaria* than to either of the described N. American species, and will therefore, I think, prove new to the Flora of that country.

- *Osmunda regalis* (rare ?)  
 " *cinnamomea* (rare ?)  
 • " *Claytoniana* (rare ?)

*Polypodium vulgare*  
*Struthiopteris Germanica*

- Pteris gracilis*  
*Adiantum pedatum* (rare ?)  
*Asplenium Felix-foemina*  
*Woodsia ilvensis* (rare ?)  
*Cistopteris fragilis*  
*Aspidium acrostichoides*  
 " *marginale*  
 " *Thelypteris*  
 " *Novaboracense* } same ?

## METEOROLOGICAL OBSERVATIONS. \*

1867.				1868.			
Jan.			DEG.	Jan.			DEG.
1	7 a.m. fine, wind S ..	5	6	1	7 a.m. fine, wind W ..	-2	10
12	" " " S ..	22	12	12	snowing, " W ..	12	12
	6 p.m. " " S ..	16	12	6 p.m. " " W ..	12	12	12
	A beautiful day, wind moderate; mean temperature for the day ..				A good breeze all day; mean temperature for the day ..		
			13 5				5 0
2	7 a.m. fine, wind S ..	6	6	2	7 a.m. snowing, wind E ..	20	20
12	dull, cloudy, S ..	28	28	12	drifting, " SE ..	26	26
	6 p.m. light snow, SSE ..	22	22	6 p.m. snowing, " NE ..	28	28	28
	Wind moderate all day; mean temperature ..				Wind rough a.m., moderate p.m.; mean temperature ..		
			17 0				24 0
3	7 a.m. fine, wind NNE ..	12	12	3	7 a.m. snowing, wind NE ..	12	12
12	" " " N ..	24	24	12	fine, " NE ..	12	12
	6 p.m. " " NNW ..	16	16	6 p.m. snowing " " N ..	8	8	8
	Wind moderate but variable; mean temperature ..				Wind moderate all day; mean mean temperature ..		
			18 0				10 0
4	7 a.m. fine, wind NNW ..	14	14	4	7 a.m. fine, wind NW ..	4	4
12	" " " N ..	17	17	12	snowing, " NW ..	8	8
	6 p.m. " " NNW ..	16 0	16 0	6 p.m. fine, " NW ..	8	8	8
	Wind moderate, occasionally varying to NNE; mean temperature ..				Wind moderate, almost calm; mean temperature ..		
			15 5				6 0
5	7 a.m. fine, wind NW ..	19 0	19 0	5	7 a.m. 'vapoury.'† wind NW	Zero	Zero
12	dull, cloudy, N ..	14	14	12	light snow " NW ..	5	5
	6 a.m. " " N ..	10	10	6 p.m. snowing " WNW ..	7	7	7
	Wind moderate but cold; mean temperature ..				Moderate a.m., good breeze p.m.; mean temperature ..		
			14 6				3 5
6	7 a.m. light snow, wind WNW ..	7	7	6	7 a.m. snowing, wind SW ..	20	20
12	" " " WNW ..	14	14	12	" " " S ..	23	23
	6 p.m. " " " WNW ..	10	10	6 p.m. " " " NE ..	20	20	20
	Wind moderate all day; mean temperature ..				Wind moderate but variable; mean temperature ..		
			10 5				21 5
7	7 a.m. dull, cloudy, wind SE ..	42	42	7	7 a.m. snow and drift, wind N ..	30	30
12	" " " SE ..	41	41	12	" " " N ..	30	30
	6 p.m. " " " SE ..	28	28	6 p.m. " " " N ..	28	28	28
	Wind boisterous all day; mean temperature for the day ..				A gale of wind and heavy fall of snow; mean temperature for the day ..		
			40 0				29 0
	Ditto " for the week ..				Ditto ditto for the week ..		
			18 5				14 1
8	7 a.m. fine, wind SSW ..	37	37	8	7 a.m. 'Glitter,' wind ENE ..	26	26
12	" " " SSW ..	40	40	12	drift ice in sight " NE ..	26	26
	6 p.m. " " SSW ..	32	32	6 p.m. fine " NE ..	25	25	25
	A beautiful day, wind moderate; mean temperature of the day ..				A good breeze a.m., moderate p.m.; mean temperature ..		
			34 0				25 5

\* The mean temperature as here taken will not be quite correct, but I rarely saw the thermometer except during the hours for meals. H. R.

† "Vapoury," a kind of "Scotch Mist." "Glitter;" rain freezing and coating everything with a layer of ice. H. R.

1867.

Jan.			Dec.
9	7 a.m. fine, wind SSW	28	
12	cloudy, " SSW	38	
	6 p.m. light snow " SSW	32	
	Wind moderate all day; mean temperature ..	33 0	
10	7 a.m. fine, wind SSW	32	
12	" " " SSW	34	
	6 p.m. " " SSW	32	
	A fine day, wind moderate; mean temperature..	33 0	
11	7 a.m. dull, cloudy, wind S	26	
12	" " " S	32	
	6 p.m. " " S	30	
	Wind moderate all day; mean temperature ..	29 0	
12	7 a.m. 3-in. of snow, wind W	29	
12	light snow " W	28	
	6 p.m. snowing " W	28	
	Wind moderate all day; mean temperature ..	28 5	
13	7 a.m. light snow, wind SW	18	
12	fine " SW	21	
	6 p.m. light snow, " SW	16	
	Wind moderate all day; mean temperature ..	18 5	
14	7 a.m. snowing, wind NNW	14	
12	2-ft. of snow " NNW	21	
	6 p.m. snowing, " NNW	15	
	Wind moderate all day; mean temperature ..	17 5	
	Ditto ditto for the week	27 5	
15	7 a.m. snowing, wind SW	12	
12	light snow " SW	15	
	6 p.m. snowing, " SW	11	
	A light breeze all day; mean temperature ..	13 0	
16	7 a.m. snowing, wind E	11	
12	" " " N	14	
	6 p.m. " " NW	9	
	Wind moderate all day; mean temperature ..	11 5	
17	7 a.m. fine, wind NW	9	
12	" " " NW	8	
	6 p.m. " " NW	4	
	A fine day, wind moderate; mean temperature ..	6 5	
18	7 a.m. drifting snow, wind SE	21	
12	fine, " S	25	
	6 p.m. " " S	18	
	Wind boisterous all day; mean temperature ..	21 5	
19	7 a.m. fine, wind SE	36	
12	" " " SE	42	
	6 p.m. " " SE	38	
	A warm, sunny day; mean temperature ..	39 0	
20	7 a.m. fine, wind SE	38	
12	" " " SE	39	
	6 p.m. " " E	37	
	Wind rough a.m., moderate p.m.; mean temperature	38 0	

1868.

Jan.		Dec.
9	7 a.m. fine, wind SSW	23
12	" " " SW	27
	6 p.m. "Glitter," " SW	24
	Wind very moderate, almost calm; mean temperature ..	25 0
10	7 a.m. fine, wind S	18
12	snowing " E	24
	6 p.m. " " N	22
	Wind moderate but very variable; mean temperature ..	21 0
11	7 a.m. snow and drift, wind W	10
12	" " " W	10
	6 p.m. " " W	8
	Snowing and blowing a gale all day; mean temperature ..	9 0
12	7 a.m. snow and drift, wind W	10
12	" " " W	12
	6 p.m. " " W	10
	A very rough snowy day; mean temperature ..	11 0
13	7 a.m. fine, wind N	20
12	" " " NW	15
	6 p.m. " " NW	12
	A beautiful day, wind moderate; mean temperature ..	16 0
14	7 a.m. light snow, wind N	8
12	" " " N	7
	6 p.m. " " N	4
	Wind moderate all day; mean temperature ..	6 0
	Ditto ditto for the week	16 2
15	7 a.m., fine, wind N	2
12	light snow " N	3
	6 p.m. " " S	4
	Wind moderate a.m.: almost calm p.m.; mean temperature	3 0
16	7 a.m. fine, wind SE	-4
12	" " " SE	14
	6 p.m. snowing " SE	8
	Almost calm throughout the day; mean temperature ..	5 0
17	7 a.m. snowing, wind SE	10
12	" " " NE	13
	6 p.m. " " NE	14
	A snowy day but almost calm; mean temperature ..	14 0
18	7 a.m. snowing, wind S	19
12	" " " WNW	22
	6 p.m. " " NW	12
	Almost calm a.m.: good breeze p.m.; mean temperature ..	17 0
19	7 a.m. drift ice in, wind W	10
12	snowing, " W	17
	6 p.m. " " W	14
	Wind moderate all day; mean temperature ..	13 5
20	7 a.m. fine, wind NW	4
12	light snow " NW	8
	6 p.m. " " NW	2
	Moderate a.m.: almost calm p.m.; mean temperature ..	3 0

1867.

1868.

DEG.  
 and SSW 23  
 SW 27  
 SW 24  
 almost  
 ture .. 25 0  
 wind S 19  
 " E 24  
 " N 22  
 variable;  
 .. 21 0  
 wind W 10  
 " W 10  
 " W 8  
 gale all  
 re .. 9 0  
 wind W 10  
 " W 12  
 " W 10  
 ; mean  
 .. 11 0  
 and N 20  
 " NW 15  
 " NW 12  
 moderate;  
 .. 16 0  
 wind N 8  
 " N 7  
 " N 4  
 ; mean  
 .. 6 0  
 the week 16 2  
 wind N 2  
 " N 3  
 " S 4  
 almost  
 erature 3 0  
 ind SE -4  
 " SE 14  
 " SE 8  
 the day;  
 .. 5 0  
 ind SE 10  
 " NE 18  
 " NE 14  
 calm;  
 .. 14 0  
 S 19  
 SSW 22  
 NW 12  
 breeze  
 .. 17 0  
 ind W 10  
 " W 17  
 " W 14  
 ; mean  
 .. 13 5  
 and NW 4  
 NW 8  
 NW 2  
 calm  
 .. 5 0

Jan.  
 21 7 a.m. fine, wind E 35  
 12 " " " E 37  
 6 p.m. " " E 36  
 A beautiful day, wind moderate;  
 mean temperature .. 35 0  
 Ditto ditto for the week 23 0  
 22 7 a.m. fine, wind SSW 29  
 12 " " " SSW 34  
 6 p.m. " " SSW 27  
 A fine day, wind temperature;  
 mean temperature .. 30 5  
 23 7 a.m. fine, wind E 31  
 12 " " " E 32  
 6 p.m. " " E 30  
 Blowing a good breeze all day;  
 mean temperature .. 31 0  
 24 7 a.m. fine, wind NE 13  
 12 cloudy, " N 20  
 6 p.m. snowing " N 50  
 Blowing a good breeze all day;  
 mean temperature .. 16 5  
 25 7 a.m. dull, cloudy, wind N 23  
 12 light snow, " N 25  
 6 p.m. fine, " N 25  
 Wind moderate all day; mean  
 temperature .. 24 0  
 26 7 a.m. fine, wind NW 17  
 12 light snow " NW 19  
 6 p.m. " " NW 13  
 Wind moderate all day; mean  
 temperature .. 16 0  
 27 7 a.m. Drifts snow, wind SSE 20  
 12 " " " SSE 25  
 6 p.m. snowing " SE 28  
 Wind boisterous a.m., mode-  
 rate p.m.; mean temperature 24 0  
 28 7 a.m. snowing, wind N 26  
 12 fine, " N 29  
 6 p.m. snowing, " N 23  
 A good breeze, a.m., moderate  
 p.m.; mean temperature .. 26 0  
 Ditto ditto for the week 24 0  
 29 7 a.m. light snow, wind W 23  
 12 " " " W 33  
 6 p.m. drifting snow " W 19  
 Moderate, a.m.: good breeze,  
 p.m.; mean temperature .. 26 0  
 30 7 a.m. drifting snow, wind NW 7  
 12 " " " NW 6  
 6 p.m. " " " NW -4  
 Blowing a good breeze all day;  
 mean temperature .. 1 5  
 31 7 a.m. drifting snow, wind NW -15  
 12 " " " NW -6  
 6 p.m. " " " W 7  
 Blowing a good breeze all day;  
 mean temperature .. -4 0  
 Ditto for January, 1867 16 4

DEG.  
 21 7 a.m. fine, wind E -13  
 12 " " " E 3  
 6 p.m. " " S Zero  
 A lovely day and almost calm;  
 mean temperature .. -4 5  
 Ditto ditto for the week 7 5  
 22 7 a.m. fine, wind E -10  
 12 " " " E 4  
 6 p.m. " " E -2  
 A beautiful day, wind moderate;  
 mean temperature .. -3 0  
 23 7 a.m. fine, wind S -13  
 12 " " " S 8  
 6 p.m. " " SW 4  
 A lovely day, wind moderate;  
 mean temperature .. -2 5  
 24 7 a.m. snowing, wind SSW 32  
 12 snow & rain " SSW 36  
 6 p.m. foggy " S 30  
 Wind very rough a.m.: mode-  
 rate p.m.; mean temperature 33 0  
 25 7 a.m. snowing, wind S 30  
 12 drifting, " WNW 23  
 6 p.m. light snow " NW 12  
 Blowing a good breeze all day;  
 mean temperature .. 21 0  
 26 7 a.m. snowing, wind NW 1  
 12 " " " NW 6  
 6 p.m. " " WNW -2  
 Blowing a good breeze all day;  
 mean temperature .. 2 0  
 27 7 a.m. fine, wind S -9  
 12 " " " NE 4  
 6 p.m. snowing " S 8  
 Almost calm a.m.: more wind  
 p.m.; mean temperature -0 5  
 28 7 a.m. snowing, wind S 27  
 12 drifting, " NE 19  
 6 p.m. fine, " NE 14  
 A good breeze a.m.: moderate  
 p.m.; mean temperature .. 20 5  
 Ditto ditto for the week 10 0  
 29 7 a.m. fine, wind E -9  
 12 " " " E 8  
 6 p.m. " " E 4  
 A lovely day and almost calm;  
 mean temperature .. -0 5  
 30 7 a.m. snowing, wind E 16  
 12 " " " E 23  
 6 p.m. " " NW 19  
 Heavy fall of snow, but almost  
 calm; mean temperature .. 19 5  
 31 7 a.m. drifting snow, wind W 4  
 12 " " " W 8  
 6 p.m. " " " WNW 2  
 Blowing a good breeze all day;  
 mean temperature .. 5 0  
 Ditto ditto for January, 1868 11 3

Feb.	1867.	DEG.
1	7 a.m. light snow, wind WSW	23
12	" " " SW	35
6	p.m. raining, " S	36
	Wind moderate, a.m.: boisterous, p.m.; mean temperature	29 5
2	7 a.m. drifting snow, wind N	16
12	" " " WNW	13
6	p.m. " " WNW	14
	Wind boisterous a.m.: good breeze p.m.; mean temperature	14 5
3	7 a.m. fine, wind W	10
12	dull, cloudy, " ESE	23
6	p.m. raining, " SE	32
	Almost calm a.m.: boisterous p.m.; mean temperature	21 0
4	7 a.m. raining, wind SW	38
12	fine, " SW	40
6	p.m. raining " SW	36
	Moderate a.m., boisterous p.m.; mean temperature	38 0
	Ditto ditto for the week	18 0
5	7 a.m. light snow, wind WNW	30
12	fine, " WNW	27
6	p.m. light snow " S	24
	Wind moderate all day; mean temperature	27 0
6	7 a.m. snowing, wind E	34
12	light snow, " W	36
6	p.m. fine, " NE	26
	Wind very boisterous before daylight; mean temperature	31 0
7	7 a.m. fine, wind N	10
12	" " NW	26
6	p.m. light snow " W	27
	Wind moderate all day; mean temperature	18 5
8	7 a.m. fine, wind NW	25
12	" " NW	25
6	p.m. " " NW	24
	A lovely day, wind moderate; mean temperature	24 5
9	7 a.m. cloudy, wind WNW	24
12	" " W	38
6	p.m. raining " SSW	49
	Wind moderate a.m.: boisterous p.m.; mean temperature	36 5
10	7 a.m. raining, wind SW	50
12	fine, " WSW	64
6	p.m. raining, " W	53
	Wind very boisterous throughout the day; mean temperature	58 5
11	7 a.m. light snow, wind NW	8
12	" " NW	5
6	p.m. " " NW	6
	Moderate breeze throughout the day; mean temperature	6 0
	Ditto ditto for the week	29 1
12	7 a.m. light snow, wind SE	6
12	" " E	22
6	p.m. " " S	20
	Wind moderate all day; mean temperature	14 0

Feb.	1868.	DEG.
1	7 a.m. snowing, wind E	10
12	drifting, " W	16
6	p.m. " " W	8
	Moderate a.m., good breeze p.m.; mean temperature	12 0
2	7 a.m. drifting snow, w. WSW	20
12	" " " WSW	26
6	p.m. " " WSW	24
	Blowing a gale of wind till evening; mean temperature	23 0
3	7 a.m. fine, wind NE	-9
12	snowing " NE	-6
6	p.m. 'vapoury,' " N	-10
	Wind moderate but very cold; mean temperature	-8 0
4	7 a.m. fine, wind W	-20
12	'vapoury,' " W	-4
6	p.m. light snow, " WSW	Zero
	Blowing a good breeze and very cold; mean temperature	-10 0
	Ditto ditto for the week	5 8
5	7 a.m. fine, wind W	-9
12	" " W	3
6	p.m. " " S	-6
	A lovely day, wind moderate; mean temperature	-3 0
6	7 a.m. cloudy, wind S	Zero
12	" " SE	16
7	p.m. snowing " SE	13
	Wind variable, but moderate; mean temperature	8 0
7	7 a.m. snow & drift, wind S	26
12	" " " W	15
7	p.m. snowing " W	10
	Very rough a.m., good breeze p.m.; mean temperature	18 0
8	7 a.m. fine, wind NW	-8
12	" " NW	-4
6	p.m. " " SW	-10
	A beautiful day, wind moderate; mean temperature	-7 0
9	7 a.m. fine, wind SW	-2
12	cloudy, " SW	16
6	p.m. snowing, " SSW	22
	Moderate a.m., good breeze p.m.; mean temperature	10 0
10	7 a.m. raining, wind SSW	33
12	snowing, " SW	33
6	p.m. cloudy, " W	24
	A good breeze all day; mean temperature	31 0
11	7 a.m. fine, wind N	-9
12	" " N	-3
6	p.m. " " N	-6
	A beautiful day and almost calm; mean temperature	-6 0
	Ditto ditto for the week	7 2
12	7 a.m. fine, wind S	-6
12	snowing, " W	6
6	p.m. " " SW	Zero
	Wind moderate a.m., good breeze p.m.; mean temperature	Zero



1867.

Feb.		DEG.
13	7 a.m. fine, wind N	2
12	" " " N	20
	6 p.m. light snow " E	22
	Wind moderate all day; mean temperature ..	12 0
14	7 a.m. snowing, wind S	32
12	" " " S	44
	6 p.m. " " NE	32
	Calm a.m.: good breeze p.m.; mean temperature ..	38 0
15	7 a.m. fine, wind N	10
12	" " " N	12
	6 p.m. " " N	10
	Wind moderate throughout the day; mean temperature ..	11 0
16	7 a.m. fine, wind NW	6
12	" " " NW	16
	6 p.m. " " W	14
	A beautiful day, wind moderate; mean temperature ..	10 0
17	7 a.m. fine, wind W	10
12	" " " SW	23
	6 p.m. " " SW	28
	A beautiful day, wind moderate; mean temperature ..	19 0
18	7 a.m. snowing, wind S	23
12	" " " S	32
	6 p.m. " " NE	20
	Wind moderate all day; mean temperature ..	26 0
	Ditto ditto for the week	18 5
19	7 a.m. fine, wind N	4
12	" " " N	8
	6 p.m. " " NW	2
	A beautiful day, wind moderate; mean temperature ..	5 0
20	7 a.m. snowing, wind N	-2
12	" " " N	2
	6 p.m. " " NW	-4
	Wind moderate all day; mean temperature ..	-1 0
21	7 a.m. fine, wind NW	-12
12	" " " NE	-6
	6 p.m. " " NE	-5
	Wind moderate, but very cold; mean temperature ..	-9 0
22	7 a.m. fine, wind NE	-20
12	" " " NE	2
	6 p.m. " " NE	-2
	A beautiful day, wind moderate; mean temperature ..	-9 0
23	7 a.m. fine, wind SE	8
12	" " " SE	26
	6 p.m. " " SE	22
	Moderate a.m.: good breeze p.m.; mean temperature ..	16 5
24	7 a.m. fine, wind S	22
12	" " " S	38
	6 p.m. " " SW	28
	A fine day, wind moderate; mean temperature ..	30 0

1868.

Feb.		DEG.
13	7 a.m. fine, wind NW	-9
12	" " " NW	Zero
	6 p.m. " " S	2
	A lovely day and almost calm; mean temperature ..	-4 5
14	7 a.m. snowing, wind S	26
12	" " " W	30
	6 p.m. " " NE	Zero
	A very rough snowy day; mean temperature ..	15 0
15	7 a.m. fine, wind S	-20
12	" cloudy, " SW	3
	6 p.m. snowing, " SW	8
	Almost calm till 9 a.m., good breeze after; mean temperature ..	-7 5
16	7 a.m. fine, wind NW	2
12	" " " NW	14
	6 p.m. " " F	-2
	A lovely day and almost; calm mean temperature ..	6 0
17	7 a.m. fine, wind S	-21
12	" " " N	4
	6 p.m. " " E	-8
	A lovely day and almost calm; mean temperature ..	-8 5
18	7 a.m. snowing, wind S	6
12	" " " NE	28
	6 p.m. " " NE	18
	A snowy day, wind moderate; mean temperature ..	14 0
	Ditto ditto for the week	2 0
19	7 a.m. cloudy, wind NE	2
12	" snowing " NE	15
	6 p.m. " " NW	8
	Wind moderate all day; mean temperature ..	8 5
20	7 a.m. drifting snow, wind W	5
12	" " " NW	9
	6 p.m. fine, " W	2
	A good breeze a.m., moderate p.m.; mean temperature ..	5 5
21	7 a.m. light snow, wind SW	14
12	" " " SW	35
	6 p.m. snowing " NW	10
	A good breeze a.m., moderate p.m.; mean temperature ..	22 5
22	7 a.m. fine, wind SW	-13
12	" " " W	2
	6 p.m. " " W	-8
	A beautiful day, wind moderate; mean temperature ..	-5 5
23	7 a.m. dull, cloudy, wind NE	-4
12	" snowing, " NE	2
	6 p.m. " " NE	8
	A very rough snowy day; mean temperature ..	-0 5
24	7 a.m. drifting snow, wind N	-10
12	" fine, " NW	-5
	6 p.m. " " S	-13
	A good breeze a.m., moderate p.m.; mean temperature ..	-0 0

1867.

Feb.			DEG.
25	7 a.m. snowing,	wind NE	26
12	"	" NE	32
	6 p.m. drifting snow	" N	22
	Wind moderate a.m.: boisterous		
	p.m.; mean temperature ..		27 0
	Ditto ditto for the week		8 5
26	7 a.m. snowing,	wind NW	10
12	"	" NW	14
	6 p.m. "	" NW	16
	A moderate breeze all day; mean		
	temperature ..		12 0
27	7 a.m. snowing,	wind NW	10
12	"	" NW	13
	6 p.m. "	" N	13
	Wind moderate all day; mean		
	temperature ..		11 5
28	7 a.m. fine,	wind NNE	4
12	"	" NNE	3
	6 p.m. "	" W	2
	A fine day, wind moderate;		
	mean temperature ..		3 0

Mean temperature for February, 1867 .. .. 18 6

March

1	7 a.m. fine,	wind W	-18
12	"	" NW	-4
	6 p.m. "	" N	-2
	A moderate breeze all day; mean		
	temperature ..		-10 0
2	7 a.m. fine,	wind SW	4
12	drifting snow, "	SW	14
	6 p.m. "	" S	28
	Moderate a.m.: very boisterous		
	p.m.; mean temperature ..		16 0
3	7 a.m. fine,	wind NW	12
12	drifting snow, "	NW	2
	6 p.m. "	" NW	2
	Wind boisterous a.m.: good		
	breeze p.m.; mean temperature		7 0
	Ditto ditto for six days		6 5
4	7 a.m. fine,	wind N	-18
12	"	" N	10
	6 p.m. "	" N	6
	A fine day, wind moderate;		
	mean temperature ..		-4 0
5	7 a.m. light snow,	wind S	10
12	fine,	" NE	25
	6 p.m. "	" S	14
	Wind moderate all day; mean		
	temperature ..		17 5
6	7 a.m. light snow,	wind NW	7
12	fine,	" NW	17
	6 p.m. "	" W	14
	Wind moderate all day; mean		
	temperature ..		12 0

1868.

Feb.			DEG.
25	7 a.m. fine,	wind S	-21
12	"	" SW	5
	6 p.m. "	" SW	-3
	A lovely day, wind moderate;		
	mean temperature ..		-8 0
	Ditto ditto for the week		1 9
26	7 a.m. fine,	wind SW	-3
12	"	" SW	14
	6 p.m. dull, cloudy,	" SW	10
	Blowing a good breeze all day;		
	mean temperature ..		5 5
27	7 a.m. fine,	wind NW	9
12	"	" NW	16
	6 p.m. "	" SW	5
	A beautiful day, wind moderate;		
	mean temperature ..		10 5
28	7 a.m. fine,	wind E	-4
12	snowing,	" SE	20
	6 p.m. "	" S	25
	Moderate a.m., very rough p.m.;		
	mean temperature ..		10 5
29	7 a.m. fine,	wind W	18
12	light snow,	" SW	30
	9 p.m. snowing,	" NE	18
	Wind moderate all day; mean		
	temperature ..		24 0
	Ditto ditto for February, 1868		5 0

March

1	7 a.m. snowing,	wind W	15
12	"	" WSW	28
	6 p.m. "	" W	8
	A very rough snowy day; mean		
	temperature ..		18 0
2	7 a.m. drifting snow, w.	W	2
12	"	" WSW	5
	6 p.m. "	" WSW	2
	A very rough and cold day;		
	mean temperature ..		3 5
3	7 a.m. light snow,	wind N	6
12	fine,	" NE	16
	6 p.m. "	" ENE	10
	Wind moderate all day; mean		
	temperature ..		11 0
	Ditto ditto for the week		12 0
4	7 a.m. fine,	wind SE	2
12	dull, cloudy,	" NE	21
	7 p.m. fine,	" SE	13
	Almost calm throughout the		
	day; mean temperature ..		11 5
5	7 a.m. fine,	wind E	14
12	"	" NE	20
	6 p.m. "	" E	14
	A good breeze a.m.: moderate		
	p.m.; mean temperature ..		17 0
6	7 a.m. fine,	wind S	2
12	"	" W	24
	6 p.m. "	" S	16
	A lovely day, wind moderate;		
	mean temperature ..		13 0

## METEOROLOGICAL OBSERVATIONS.

DEG.

-21

W 5

W -3

te; 0

-8 0

W 1 9

W -3

W 14

W 10

y; 5 5

W 9

W 16

W 5

te; 10 5

E -4

SE 20

S 25

a; 10 5

W 18

W 30

E 18

an

24 0

38 5 0

V 15

V 28

V 8

n

18 0

V 2

V 5

V 2

; 3 5

N 6

E 16

E 10

n

11 0

k 12 0

2

E 21

E 13

o

11 5

E 14

E 20

E 14

17 0

2

24

16

13 0

1867.

March

DEG.

7 7 a.m. fine, wind NW -10

12 " " NW 8

6 p.m. " " NW 10

A beautiful day, wind moderate;

mean temperature .. .. Zero

8 7 a.m. fine, wind SW 10

12 dull, cloudy, " SW 22

6 p.m. light snow, " SW 22

Wind moderate all day; mean

temperature .. .. 16 0

9 7 a.m. snowing, wind NE 14

12 " " NE 22

6 p.m. fine " NE 24

Wind moderate all day; mean

temperature .. .. 19 0

10 7 a.m. snowing, wind NE 12

12 fine, " NE 14

6 p.m. " " NE 20

Wind moderate all day; mean

temperature .. .. 16 0

Ditto ditto for the week 10 9

11 7 a.m. fine, wind E 10

12 " " W 28

6 p.m. " " NW 24

A beautiful day, wind moderate;

mean temperature .. .. 19 0

12 7 a.m. fine, wind NW 26

12 " " NW 38

6 p.m. " " NW 28

A beautiful day, wind moderate;

rate; mean temperature .. .. 32 0

13 7 a.m. light snow, wind SW 26

12 " " SW 44

6 p.m. " " SW 32

Wind moderate all day; mean

temperature .. .. 35 0

14 7 a.m. fine, wind SW 24

12 " " SW 44

6 p.m. snowing, " SW 34

Wind moderate all day; mean

temperature .. .. 34 0

15 7 a.m. fine, wind NW 12

12 drifting snow, " NW 28

6 p.m. " " NW 16

A good breeze all day; mean

temperature .. .. 19 0

16 7 a.m. fine, wind NW 4

12 drifting snow, " NW 12

6 p.m. " " NW 17

Moderate a.m.: good breeze

p.m.; mean temperature .. .. 10 5

17 7 a.m. light snow, wind NW 12

12 fine, " NE 22

6 p.m. " " NE 16

Wind moderate all day; mean

temperature .. .. 17 0

Ditto ditto for the week 23 7

18 7 a.m. fine, wind SE 14

12 " " SE 36

6 p.m. snowing " SE 22

Wind moderate all day; mean

temperaturo .. .. 25 0

1868.

March

DEG.

7 7 a.m. light snow, wind SSW 30

12 drifting snow, " SW 31

6 p.m. " " SW 30

Blowing a gale of "wind all day;

mean temperature .. .. 30 5

8 7 a.m. dull, cloudy, wind S 20

12 snowing, " SE 35

6 p.m. raining, " SW 44

Almost calm a.m.: blowing a

gale p.m.; mean temperature 32 0

9 7 a.m. fine, wind W 31

12 " " N 30

6 p.m. " " NW 26

Wind moderate all day; mean

temperature .. .. 28 5

10 7 a.m. fine, wind S 15

12 " " SW 36

6 p.m. " " SW 31

Moderate a.m., good breeze p.m.;

mean temperature .. .. 25 5

Ditto ditto for the week 22 5

11 7 a.m. snowing, wind NE 13

12 drifting snow, " N 7

6 p.m. " " NW 4

Blowing a good breeze all day;

mean temperature .. .. 8 5

12 7 a.m. dull, cloudy, wind NW 4

12 drifting snow, " W 23

6 p.m. " " WSW 13

Wind moderate a.m.: good breeze

p.m.; mean temperature .. .. 13 5

13 7 a.m. light snow, wind SW 28

12 snowing " SW 36

6 p.m. dull, cloudy, " SW 33

Blowing hard a.m., moderate

p.m.; mean moderate .. .. 32 0

14 7 a.m. foggy, wind SW 32

12 " " W 42

6 p.m. " " NE 30

Wind moderate, but very vari-

able; mean temperature .. .. 36 0

15 7 a.m. fine, wind NE 8

12 " " NE 26

6 p.m. " " NE 20

A lovely day, wind moderate;

mean temperature .. .. 17 0

16 7 a.m. dull, cloudy, wind SW 28

12 raining, " SW 40

6 p.m. snow squalls " WSW 33

A good breeze with squalls of rain

and snow; mean temperature 34 0

17 7 a.m. light snow, wind S 32

12 fine, " WSW 39

6 p.m. stormy, " S 40

Moderate a.m.: good breeze p.m.;

mean temperature .. .. 36 0

Ditto ditto for the week 22 2

18 7 a.m. dull, cloudy, wind SW 60

12 raining, " SW 60

6 p.m. " " SW 46

A very rough stormy day; mean

temperaturo .. .. 48 0

1867.

March		DEG.
19	7 a.m. snowing, wind SW	26
12	raining, " SW	38
6 p.m.	" " SW	34
	Wind moderate all day; mean temperature ..	32 0
20	7 a.m. fine, wind NE	28
12	" " " NE	34
6 p.m.	snowing " NE	30
	Wind moderate all day; mean temperature ..	31 0
21	7 a.m. fine, wind NE	28
12	" " " NE	38
6 p.m.	" " " E	26
	A beautiful day, wind moderate; mean temperature ..	32 0
22	7 a.m. fine, wind NE	6
12	" " " NE	24
6 a.m.	" " " NE	22
	A beautiful day, wind moderate; mean temperature ..	15 0
23	7 a.m. fine, wind NE	2
12	" " " NE	24
6 p.m.	" " " NE	20
	A beautiful day, wind moderate; mean temperature ..	13 0
24	7 a.m. fine, wind NE	20
12	" " " SW	38
6 p.m.	" " " S	32
	A beautiful day, wind moderate; mean temperature ..	29 0
	Ditto " for the week ..	25 1
25	7 a.m. fine, wind S	16
12	" " " S	38
6 p.m.	" " " NE	0
	A beautiful day, wind moderate; mean temperature ..	27 0
26	7 a.m. fine, wind SE	24
12	" " " NW	40
6 p.m.	" " " W	36
	A beautiful day, wind moderate; mean temperature ..	32 0
27	7 a.m. cloudy, wind S	40
12	" " " S	50
6 p.m.	" " " S	46
	Wind rough throughout the day; mean temperature ..	45 0
28	7 a.m. cloudy, wind S	46
12	" " " S	52
6 p.m.	raining " S	48
	Wind boisterous all day; mean temperature ..	49 0
29	7 a.m. sleet, wind W	34
12	snowing, " W	36
6 p.m.	fine, " W	32
	Wind moderate all day; mean temperature ..	34 0
30	7 a.m. fine, wind SW	30
12	" " " SW	32
6 p.m.	" " " SW	30
	A fine day, wind moderate; mean temperature ..	31 0

1868.

March		DEG.
19	7 a.m. dull, cloudy, wind NW	32
12	snow-squalls " NE	26
6 p.m.	"Glitter" " ENE	25
	Moderate a.m., good breeze p.m.; mean temperature ..	28 8
20	7 a.m. fine, wind S	16
12	" " " NE	30
6 p.m.	" " " NE	26
	A beautiful day, wind moderate; mean temperature ..	23 0
21	7 a.m. fine, wind S	20
12	" " " NE	34
6 p.m.	dull, " E	34
	A fine day, wind moderate; mean temperature ..	27 0
22	7 a.m. dull, cloudy, wind S	37
12	foggy, " W	42
6 p.m.	raining, " NE	35
	Wind moderate but variable; mean temperature ..	38 5
23	7 a.m. snowing, wind NW	29
12	" " " SW	32
6 p.m.	fine, " W	22
	Moderate a.m., good breeze p.m.; mean temperature ..	27 0
24	7 a.m. snowing, wind S	22
12	" " " N	26
6 p.m.	" " " NE	22
	Almost calm a.m., good breeze p.m.; mean temperature ..	24 0
	Ditto ditto for the week ..	30 8
25	7 a.m. drifting snow, wind NE	15
12	" " " NE	16
6 p.m.	" " " NE	15
	A very rough snowy day; mean temperature ..	15 5
26	7 a.m. light snow, wind NE	6
12	fine, " NW	15
6 p.m.	" " " W	10
	A good breeze a.m., moderate p.m.; mean temperature ..	10 5
27	7 a.m. fine, wind W	6
12	" " " WSW	28
6 p.m.	" " " NE	18
	Snow at 10 a.m., wind moderate; mean temperature ..	17 0
28	7 a.m. fine, wind S	6
12	" " " NW	23
6 p.m.	snowing, " E	18
	Wind moderate, but very variable; mean temperature ..	14 5
29	7 a.m. light snow, wind E	12
12	fine, " NE	18
6 p.m.	" " " S	12
	A good breeze a.m., moderate p.m.; mean temperature ..	15 0
30	7 a.m. fine, wind SW	8
12	" " " SW	26
6 p.m.	" " " SW	18
	A good breeze with light snow p.m.; mean temperature ..	17 0

1867.

March		DEG.
31	7 a.m. fine, wind S	30
12	" " " NW	38
6	p.m. " " SW	32
	Wind moderate all day; mean temperature ..	34 0
	Ditto ditto for the week ..	36 0
	Ditto ditto for March, 1867	22 0

April		DEG.
1	7 a.m. fine, wind S	30
12	" " " W	42
6	" " " NW	34
	A beautiful day, wind moderate; mean temperature ..	36 0
2	7 a.m. fine, wind S	30
12	" " " NW	44
6	p.m. " " S	40
	A beautiful day, wind moderate; mean temperature ..	37 0
3	7 a.m. fine, wind SE	30
12	" " " SE	48
6	p.m. " " SE	44
	A beautiful wind, wind moderate; mean temperature ..	39 0
4	7 a.m. fine, wind S	24
12	" " " NE	42
6	p.m. " " SW	36
	A beautiful day, wind moderate; mean temperature ..	33 0
5	7 a.m. fine, wind S	26
12	" " " SW	40
6	p.m. " " SW	36
	A fine day, wind moderate; mean temperature ..	33 0
6	7 a.m. raining, wind SW	38
12	" " " S	40
6	p.m. " " SW	36
	Wind moderate a.m., rough p.m.; mean temperature ..	38 0
7	7 a.m. cloudy, wind W	26
12	fine, " W	32
6	p.m. " " SW	36
	A good breeze all day, mean temperature ..	31 0
	Ditto ditto for the week ..	35 2
8	7 a.m. light snow, wind SE	34
12	" " " SE	40
6	p.m. fine, " W	34
	Wind moderate all day; mean temperature ..	37 0
9	7 a.m. cloudy, wind S	34
12	snowing " S	34
6	p.m. " " NW	32
	Wind moderate a.m., rough p.m.; mean temperature ..	33 0
10	7 a.m. fine, wind N	26
12	" " " NW	34
6	p.m. " " NW	34
	Moderate a.m., good breeze p.m.; mean temperature ..	30 0

1868.

March		DEG.
31	7 a.m. fine, wind SW	23
12	" " " SW	40
6	p.m. snowing, " SW	30
	Blowing a gale of wind all day; mean temperature ..	31 5
	Ditto ditto for the week ..	15 8
	Ditto ditto for March, 1868	22 4

April		DEG.
1	7 a.m. fine wind S	19
12	" " " NW	42
6	p.m. " " S	32
	A beautiful day, wind moderate; mean temperature ..	31 0
2	7 a.m. cloudy, wind SW	33
12	fine, " W	36
6	p.m. " " W	27
	A good breeze a.m., moderate p.m.; mean temperature ..	31 5
3	7 a.m. snowing, wind S	28
12	cloudy, " S	41
6	p.m. snowing, " NNW	20
	Very rough morning and evening; mean temperature ..	30 5
4	7 a.m. fine, wind SW	16
12	" " " W	32
6	p.m. " " S	22
	Blowing a good breeze till evening; mean temperature ..	24 0
5	7 a.m. fine, wind S	14
12	" " " SSW	44
6	p.m. " " SSE	32
	Moderate a.m., good breeze p.m.; mean temperature ..	29 0
6	7 a.m. drifting snow, wind W	18
12	" " " W	22
6	p.m. " " W	13
	The roughest day throughout the winter; mean temperature ..	17 0
7	7 a.m. drifting snow, wind SW	18
12	snowing, " W	28
6	p.m. " " WSW	20
	Blowing hard all day; mean temperature ..	23 0
	Ditto ditto for the week ..	26 5
8	7 a.m. snowing, wind S	20
12	" Glitter " S	31
6	p.m. fine, " SW	36
	Blowing a gale of wind all day; mean temperature ..	28 0
9	7 a.m. snowing, wind SW	24
12	fine, " W	24
6	p.m. drifting, " SW	22
	Blowing a gale of wind all day; mean temperature ..	23 0
10	7 a.m. fine, wind NW	23
12	" " " NW	33
6	p.m. " " SW	26
	Blowing a good breeze till evening; mean temperature ..	28 0

1867.			
April			DEG.
11	7 a.m. snowing,	wind S	34
12	" "	" SE	44
6 p.m.	" "	" SE	34
Wind moderate all day; mean temperature ..			39 0
12	7 a.m. snowing,	wind NW	23
12	drifting snow, "	NW	23
6 p.m.	" "	" NW	22
Wind rough throughout the day; mean temperature ..			22 5
13	7 a.m. fine,	wind SW	22
13	" "	" SW	28
6 p.m.	" "	" SW	22
Wind moderate all day; mean temperature ..			25 0
14	7 a.m. snowing,	wind SE	32
13	" "	" SE	36
6 p.m.	" "	" SE	42
Wind moderate throughout the day; mean temperature ..			37 0
Ditto ditto for the week ..			31 9
15	7 a.m. fine,	wind SW	20
13	" "	" SW	40
6 p.m.	" "	" SW	40
Moderate a.m., very rough p.m.; mean temperature ..			30 0
16	7 a.m. raining,	wind SW	36
12	light snow "	SW	36
6 p.m.	" "	" SW	34
Wind moderate a.m., rough p.m.; mean temperature ..			35 0
17	7 a.m. fine,	wind SE	28
12	" "	" SE	40
6 p.m.	" "	" SE	32
A beautiful day, wind moderate; mean temperature ..			34 0
18	7 a.m. fine,	wind SE	36
12	" "	" SE	44
6 p.m.	" "	" SE	32
Wind moderate a.m., rough p.m.; mean temperature ..			38 0
19	7 a.m. cloudy,	wind SE	36
12	" "	" NE	48
6 p.m.	" "	" SE	40
Wind rough throughout the day; mean temperature ..			42 0
20	7 a.m. fine,	wind SE	30
12	" "	" SE	46
6 p.m.	" "	" SE	40
A fine day, wind moderate; mean temperature ..			38 0
21	7 a.m. fine,	wind NE	30
12	" "	" NE	46
6 p.m.	" "	" NE	40
A beautiful day, wind moderate; mean temperature ..			38 0
Ditto ditto for the week ..			36 4
22	7 a.m. raining,	wind SW	34
12	cloudy,	" SW	46
6 p.m.	" "	" SW	38
Wind rough a.m., moderate p.m.; mean temperature ..			40 0

1868.			
April			DEG.
11	7 a.m. fine,	wind S	18
12	" "	" N	32
6 p.m.	light snow, "	SSE	32
Wind moderate all day; mean temperature ..			26 0
12	7 a.m. snowing,	wind NNE	23
12	fine,	" NW	34
6 p.m.	" "	" S	23
Moderate a.m., almost calm p.m.; mean temperature ..			26 5
13	7 a.m. light snow,	wind S	22
12	fine,	" NE	30
6 p.m.	snowing,	" NNE	27
Wind moderate, but very variable; mean temperature ..			26 0
14	7 a.m. fine,	wind NW	16
13	" "	" NW	32
6 p.m.	" "	" W	22
Blowing a good breeze all day; mean temperature ..			24 0
Ditto ditto for the week ..			26 0
15	7 a.m. cloudy,	wind SW	32
12	" "	" SSW	44
6 p.m.	fine,	" NE	22
A good breeze a.m., moderate p.m.; mean temperature ..			33 0
16	7 a.m. dull, cloudy,	wind E	20
12	" "	" NE	26
6 p.m.	" "	" S	34
Moderate a.m., good breeze p.m.; mean temperature ..			27 0
17	7 a.m. rain and fog,	wind SW	41
12	" "	" SW	41
6 p.m.	" "	" SSW	35
A good breeze a.m., moderate p.m.; mean temperature ..			38 0
18	7 a.m. foggy,	wind SW	38
12	fine,	" SW	45
6 p.m.	foggy,	" SW	34
Blowing hard all day with hail p.m.; mean temperature ..			39 5
19	7 a.m. snowing,	wind NW	27
12	fine,	" NW	32
6 p.m.	cloudy,	" NW	27
A good breeze all day; mean temperature ..			29 5
20	7 a.m. snowing,	wind NE	23
12	fine,	" NW	33
6 p.m.	" "	" SW	23
Moderate a.m., good breeze p.m.; mean temperature ..			28 0
21	7 a.m. fine,	wind SSW	30
12	" "	" SW	40
6 p.m.	" "	" Calm	34
Wind moderate, but very variable; mean temperature ..			35 0
Ditto ditto for the week ..			32 8
22	7 a.m. fine,	wind S	30
12	" "	" SW	44
6 p.m.	" "	" SW	38
Almost calm a.m., moderate p.m.; mean temperature ..			37 0



1867.

April			DEG.
23	7 a.m. raining,	wind E	40
12	"	" S	32
6 p.m.	"	" SE	42
	Wind moderate throughout the day; mean temperature ..		46 0
24	7 a.m. Ground covered with snow	wind NW	32
12	" fine,	" NW	35
6 p.m.	"	" NW	32
	Wind moderate throughout the day; mean temperature ..		33 5
25	7 a.m. cloudy,	wind SE	32
12	"	" SE	44
6 p.m.	raining,	" SE	40
	Moderate a.m., good breeze p.m.; mean temperature ..		38 0
26	7 a.m. raining,	wind SE	34
12	cloudy,	" W	42
6 p.m.	snowing,	" W	30
	Wind moderate throughout the day; mean temperature ..		36 0
27	7 a.m. fine,	wind N	36
12	"	" N	46
6 p.m.	"	" N	40
	A beautiful day, wind moderate; mean temperature ..		41 0
28	7 a.m. fine,	wind SE	40
12	cloudy,	" S	52
6 p.m.	raining,	" S	40
	Wind rough a.m., moderate p.m.; mean temperature ..		46 0
	Ditto ditto for the week ..		40 0
29	7 a.m. Ground covered with snow	wind W	30
12	light snow,	" W	28
6 p.m.	cloudy,	" W	28
	Wind rough a.m., moderate p.m.; mean temperature ..		29 0
30	7 a.m. fine,	wind SE	34
12	"	" SW	44
6 p.m.	light snow	" SW	40
	Wind moderate throughout the day, mean temperature ..		39 0
	Ditto ditto for April, 1867		35 8

May

1	7 a.m. raining,	wind SW	40
12	"	" SW	54
6 p.m.	"	" SW	52
	Wind moderate throughout the day; mean temperature ..		47 0
2	7 a.m. fine,	wind SW	61
12	"	" SW	68
6 p.m.	"	" SW	60
	Wind moderate a.m., rough p.m.; mean temperature ..		64 0
3	7 a.m. fine,	wind E	38
12	"	" NW	44
6 p.m.	"	" NW	38
	A beautiful day, wind moderate; mean temperature ..		41 0

1868.

April			DEG.
23	7 a.m. cloudy,	wind WNW	28
12	snow-squalls	" WNW	28
6 p.m.	fine,	" WNW	22
	A good breeze with squalls of snow; mean temperature ..		25 0
24	7 a.m. snow-squalls,	wind NE	19
12	"	" NW	27
6 p.m.	"	" W	19
	Blowing a good breeze all day; mean temperature ..		23 0
25	7 a.m. snow-squalls	wind W	14
12	fine,	" NW	23
6 p.m.	snow-squalls	" W	20
	Blowing hard all day; mean temperature ..		18 5
26	7 a.m. fine,	wind W	13
12	snow-squalls	" WNW	26
6 p.m.	snowing,	" W	18
	A rough, cold day, with squalls of snow; mean temperature ..		19 5
27	7 a.m. snowing,	wind WSW	16
12	"	" WSW	26
6 p.m.	fine,	" N	23
	Blowing hard a.m., moderate p.m.; mean temperature ..		21 0
28	7 a.m. 2in. light snow,	wind N	14
12	foggy,	" SW	39
6 p.m.	fine,	" W	23
	Snowing at times; wind moderate; mean temperature ..		26 5
	Ditto ditto for the week ..		24 3
29	7 a.m. fine,	wind NE	26
12	"	" W	39
6 p.m.	"	" NW	25
	A beautiful day, wind moderate; mean temperature ..		32 5
30	7 a.m. dull, cloudy,	wind W	24
12	snow-squalls	" S	57
6 p.m.	raining	" S	33
	Wind moderate a.m., good breeze p.m.; mean temperature ..		40 5
	Ditto ditto for April, 1868		28 0

May

1	7 a.m. snowing,	wind SSW	32
12	cloudy,	" W	27
6 p.m.	fine,	" W	27
	Blowing a gale a.m., good breeze p.m.; mean temperature ..		29 5
2	7 a.m. fine,	wind W	22
12	light snow,	" WNW	33
6 p.m.	dull,	" W	27
	A good breeze all day; mean temperature ..		27 5
3	7 a.m. dull,	wind W	24
12	light snow,	" WNW	20
6 p.m.	fine,	" W	23
	A good breeze a.m., moderate p.m.; mean temperature ..		26 0



May 1867.		DEG.
4	7 a.m. fine, wind NW	33
12	" " " NW	39
	6 p.m. snowing, " NW	32
	Wind moderate throughout the day; mean temperature ..	35 6
5	7 a.m. light snow, wind NW	30
12	" fine, " NW	34
	6 p.m. " " W	40
	Wind moderate a.m., rough p.m.; mean temperature ..	35 0
	Ditto ditto for the week ..	41 6
6	7 a.m. fine, wind NW	36
12	" " " NW	44
	6 p.m. " " NW	42
	A fine day, wind moderate; mean temperature ..	40 0
7	7 a.m. raining, wind NW	38
12	" cloudy, " NW	44
	6 a.m. raining, " SE	42
	Wind moderate all day; mean temperature ..	41 0
8	7 a.m. fine, wind NW	44
12	" " " NW	46
	6 p.m. " " W	44
	A fine day, wind moderate; mean temperature ..	46 0
9	7 a.m. raining, wind S	54
12	" " " S	60
	6 p.m. " " S	62
	Wind moderate a.m., rough p.m.; mean temperature ..	57 0
10	7 a.m. fine, wind S	60
12	" raining, " S	52
	6 p.m. cloud " S	54
	Wind rough throughout the day; mean temperature ..	56 0
11	7 a.m. fine, wind SSE	58
12	" " " SSE	66
	6 p.m. raining, " SE	58
	A good breeze a.m., moderate p.m.; mean temperature ..	62 0
12	7 a.m. raining, wind SW	54
12	" cloudy, " SW	60
	6 p.m. " " SW	56
	Wind moderate all day; mean temperature ..	57 0
	Ditto " for the week ..	51 1
13	7 a.m. cloudy, wind SW	54
12	" " " SW	58
	6 p.m. " " W	48
	Wind moderate all day; mean temperature ..	53 0
14	7 a.m. cloudy, wind WSW	46
12	" fine, " W	56
	6 p.m. " " N	44
	Wind moderate all day; mean temperature ..	50 0
15	7 a.m. fine, wind NE	36
12	" " " SE	48
	6 p.m. " " SE	44
	Wind moderate a.m., rough p.m.; mean temperature ..	42 0

May 1868.		DEG.
4	7 a.m. fine, wind W	22
12	" " " WNW	36
	6 p.m. dull, cloudy, " WSW	25
	Moderate a.m., blowing hard p.m.; mean temperature ..	29 0
5	7 a.m. snowing, wind SW	31
12	" dull, cloudy, " NE	41
	6 p.m. snow-squalls " NE	30
	A good breeze a.m., moderate p.m.; mean temperature ..	35 5
	Ditto ditto for the week ..	31 5
6	7 a.m. fine, wind NW	27
12	" " " N	42
	6 p.m. " " NW	37
	A lovely day and almost calm; mean temperature ..	34 5
7	7 a.m. fine, wind S	34
12	" cloudy, " S	50
	6 p.m. raining, " S	40
	Moderate a.m., good breeze p.m.; mean temperature ..	42 0
8	7 a.m. raining, wind SE	38
12	" fine, " S	50
	6 p.m. raining, " S	40
	Blowing a good breeze all day; mean temperature ..	44 0
9	7 a.m. dull, cloudy, wind SE	36
12	" snowing, " NW	40
	6 p.m. " " NE	33
	A good breeze a.m., blowing hard p.m.; mean temperature ..	36 5
10	7 a.m. dull, wind NE	34
12	" fine, " NW	43
	6 p.m. " " W	34
	A fine moderate day; mean temperature ..	38 5
11	7 a.m. fine, wind W	30
12	" " " W	38
	6 p.m. " " W	32
	Blowing a good breeze all day; mean temperature ..	34 0
12	7 a.m. fine, wind W	29
12	" " " W	39
	6 p.m. " " W	34
	Blowing a good breeze all day; mean temperature ..	34 0
	Ditto ditto for the week ..	37 6
13	7 a.m. fine, wind SW	36
12	" " " W	43
	6 p.m. " " SW	40
	Blowing a good breeze all day; mean temperature ..	39 5
14	7 a.m. fine, wind SW	42
12	" " " W	47
	6 p.m. raining, " SW	40
	Blowing hard all day; mean temperature ..	43 5
15	7 a.m. raining, wind SW	38
12	" foggy, " W	47
	6 p.m. thick fog, " N	40
	Wind moderate, but very variable; mean temperature ..	42 5

## METEOROLOGICAL OBSERVATIONS.

1867.

			DEG.
7 a.m.	cloudy,	wind ESE	44
12	"	" ESE	56
6 p.m.	"	" ESE	48
Wind rough throughout the day; mean temperature ..			50 0
7 a.m.	cloudy,	wind SE	46
12	"	" SE	58
6 p.m.	"	" E	46
Wind rough throughout the day; mean temperature ..			52 0

7 a.m.	fine,	wind NE	36
12	"	" NE	42
6 p.m.	"	" E	42
Wind rough throughout the day; mean temperature ..			39 0
7 a.m.	raining,	wind E	42
12	cloudy,	" E	45
6 p.m.	"	" E	44
Blowing a gale of wind all day; mean temperature ..			43 5
Ditto ditto for the week ..			47 0
7 a.m.	cloudy,	wind NE	34
12	snowing,	" NE	36
6 p.m.	"	" NE	34
Wind boisterous with squalls of snow; mean temperature ..			35 0
7 a.m.	snowing,	wind N	34
12	"	" NW	38
6 p.m.	fine,	" NW	36
Wind rough a.m., moderate p.m.; mean temperature ..			36 0
7 a.m.	fine,	wind N	40
12	"	" SW	68
6 p.m.	"	" S	60
A beautiful day, wind moderate; mean temperature ..			54 0
7 a.m.	fine,	wind NE	44
12	"	" NE	50
6 p.m.	cloudy,	" S	52
Wind moderate all day; mean temperature ..			47 0
7 a.m.	raining,	wind SSW	50
12	fine,	" SSW	56
6 p.m.	"	" SSE	50
Wind moderate all day; mean temperature ..			53 0
7 a.m.	raining	wind W	44
12	fine,	" W	56
6 p.m.	"	" W	52
Wind moderate all day; mean temperature ..			50 0
7 a.m.	cloudy,	wind W	48
12	fine,	" SSW	50
6 p.m.	"	" W	50
A fine day, wind moderate; mean temperature ..			49 0
Ditto ditto for the week ..			46 2

1868.

			DEG.
16 7 a.m.	thick fog,	wind NE	33
12	fine,	" W	46
6 p.m.	"	" W	35
A beautiful day, wind moderate; mean temperature ..			39 5
17 7 a.m.	fine,	wind NE	40
12	raining,	" NW	48
6 p.m.	rain and fog	" EW	40
Wind moderate all day; mean temperature ..			44 0
Ditto for the 5 days ..			41 8
Ditto for the 17 days ..			36 4

From the above date (May 17th) until June 10th, the weather was very cold with sharp frosts and heavy falls of snow. The drift ice was fast bound on the shore at Cow Head until May 31st; one day later than it was ever remembered to have remained by the oldest inhabitants in the neighbourhood.

1867.

1868.

May		DEG.
27	7 a.m. raining, wind S	52
12	" " " S	52
6 p.m.	" " " S	48
	Wind moderate all day; mean temperature ..	50 0
28	7 a.m. cloudy, wind W	50
12	" " " SW	52
6 p.m.	" " " N	48
	Wind moderate all day; mean temperature ..	50 0
29	7 a.m. cloudy, wind N	40
12	" fine, " N	44
6 p.m.	" " " N	44
	Wind moderate all day; mean temperature ..	42 0
30	7 a.m. fine, wind N	42
12	" " " N	44
6 p.m.	" " " SW	44
	A fine day, wind moderate; mean temperature ..	43 0
31	7 a.m. fine, wind SW	42
12	" " " N	60
6 p.m.	" " " N	52
	A fine day, wind moderate; mean temperature ..	51 0
	Ditto ditto for May, 1867 ..	47 4

1867.

June		DEG.	June		DEG.
1	7 a.m. fine, wind NW	52	7	7 a.m. fine, wind NW	44
12	" " " W	70	12	" " " SW	48
6 p.m.	" " " SW	60	6 p.m.	" " " N	44
	A lovely day, wind moderate; mean temperature ..	61 0		Wind moderate a.m., rough p.m.; mean temperature ..	46 0
2	7 a.m. fine, wind NW	50	8	7 a.m. fine, wind NE	48
12	" " " NW	54	12	" " " W	56
6 p.m.	" " " NW	52	6 p.m.	" " " W	50
	Wind moderate all day; mean temperature ..	52 0		Wind moderate all day; mean temperature ..	50 0
	Ditto ditto for the week	49 8	9	7 a.m. cloudy, wind NE	48
3	7 a.m. fine, wind SW	56	12	" fine, " NE	50
12	" cloudy, " SW	58	6 p.m.	" " " NE	46
6 p.m.	" raining, " SW	54		Blowing a good breeze all day; mean temperature ..	48 0
	Wind rough throughout the day; mean temperature ..	56 0		Ditto ditto for the week	51 1
4	7 a.m. cloudy, wind WSW	60	10	7 a.m. fine, wind E	40
12	" raining, " WSW	62	12	" " " NE	46
6 p.m.	" " " WSW	60	6 p.m.	" " " WNW	48
	Wind rough throughout the day; mean temperature ..	61 0		A fine day: wind moderate; mean temperature ..	44 0
5	7 a.m. cloudy, wind SW	50	11	7 a.m. fine, wind SW	46
12	" fine, " W	52	12	" " " SW	58
6 p.m.	" " " W	48	6 p.m.	" " " SW	50
	Wind rough throughout the day; mean temperature ..	50 0		A fine day, wind moderat; mean temperature ..	52 0
6	7 a.m. fine, wind NW	44	12	7 a.m. fine, wind WSW	60
12	" " " NW	50	12	" " " W	58
6 p.m.	" " " NW	48	6 p.m.	" " " W	56
	Wind rough throughout the day; mean temperature ..	47 0		Wind rough throughout the day; mean temperature ..	58 0

1867.

June		DEG.	June		DEG.
13	7 a.m. fine,	wind SW 56	25	7 a.m. fine,	wind SW 52
12	" "	" SW 58	12	" "	" SW 56
6 p.m. cloudy,	" SW 52		6 p.m. "	" SE 54	
Wind rough a.m.: moderate			A fine day, wind moderate;		
p.m.; mean temperature ..	55 0		mean temperature ..	54 0	
14	7 a.m. raining,	wind NE 42	26	7 a.m. fine,	wind NW 52
12	" "	" NE 44	12	" "	" NW 52
6 p.m. "	" NE 44		6 p.m. "	" NE 50	
Wind rough a.m., moderate			A lovely day, wind moderate;		
p.m.; mean temperature ..	43 0		mean temperature ..	51 0	
15	7 a.m. fine,	wind SW 48	27	7 a.m. fine,	wind W 47
12	" "	" SW 52	12	" "	" SW 60
6 p.m. raining,	" SW 50		6 p.m. "	" SW 50	
Wind rough a.m., moderate			Moderate a.m., good breeze p.m.;		
p.m.; mean temperature ..	50 0		mean temperature ..	53 5	
16	7 a.m. raining,	wind SW 54	28	7 a.m. fine,	wind SW 60
12	" "	" SW 56	12	" "	" SW 76
6 p.m. "	" SW 48		6 p.m. raining,	" S 64	
Wind moderate all day; mean			A good breeze throughout the		
temperature ..	52 0		day; mean temperature ..	68 0	
Ditto ditto for the week	50 5		29	7 a.m. foggy,	wind SW 54
17	7 a.m. fine,	wind NE 45	12	fine,	" SW 66
12	" "	" NE 50	6 p.m. "	" W 58	
6 p.m. "	" NW 48		A good breeze throughout the		
Wind rough a.m., moderate			day; mean temperature ..	60 0	
p.m.; mean temperature ..	47 5		30	7 a.m. fine,	wind W 52
18	7 a.m. fine,	wind WSW 50	12	" "	" W 70
12	" "	" WSW 62	6 p.m. raining,	" W 60	
6 p.m. "	" WSW 62		Wind moderate all day; mean		
A fine day, wind moderate;			temperature ..	61 0	
mean temperature ..	56 0		Ditto ditto for the week	57 0	
19	7 a.m. raining,	wind SW 54	Ditto ditto for June, 1867	53 2	
12	" "	" WSW 54			
6 p.m. cloudy,	" SW 50				
Wind boisterous all day; mean					
temperature ..	52 0				
20	7 a.m. fine,	wind NW 50			
12	" "	" NW 60			
6 p.m. "	" NW 58				
A fine day, wind moderate;					
mean temperature ..	55 0				
21	7 a.m. fine,	wind SW 48			
12	" "	" SW 58			
6 p.m. "	" SW 56				
A fine day wind moderate;					
mean temperature ..	53 0				
22	7 a.m. raining,	wind SW 54			
12	fine,	" SW 60			
6 p.m. "	" SW 54				
Wind moderate all day; mean					
temperature ..	57 0				
23	7 a.m. fine,	wind SW 54			
12	raining,	" S 60			
6 p.m. cloudy,	" W 50				
Wind moderate all day; mean					
temperature ..	55 0				
Ditto ditto for the week	53 6				
24	7 a.m. cloudy,	wind SW 54			
12	fine,	" SW 64			
6 p.m. "	" S 50				
Wind moderate all day; mean					
temperature ..	52 0				

July.

1	7 a.m. raining,	wind S 62
12	fine,	" SW 60
6 p.m. foggy,	" SW 56	
Calm till 9 a.m., good breeze		
p.m.; mean temperature ..	59 0	
2	7 a.m. fine,	wind WSW 52
12	" "	" WSW 56
6 p.m. "	" WSW 48	
A good breeze all day snow;		
mean temperature ..	52 0	
3	7 a.m. raining,	wind WSW 50
12	fine,	" WSW 60
6 p.m. raining,	" WSW 52	
A good breeze a.m., moderate		
p.m.; mean temperature ..	55 0	
4	7 a.m. fine,	wind NW 52
12	" "	" W 62
6 p.m. "	" SW 56	
A beautiful day, wind moderate;		
mean temperature ..	57 0	
5	7 a.m. fine,	Calm 56
12	" "	wind NNE 52
6 p.m. "	" NW 52	
A beautiful day, wind moderate;		
mean temperature ..	54 0	

1867.

July			DEG.
6	7 a.m. fine,	wind N	50
12	" "	" N	56
6 p.m.	" "	" SW	56
A fine day, wind moderate;			
	mean temperature ..		53 0
7	7 a.m. raining,	wind S	58
12	" fine,	" S	64
6 p.m.	" "	" S	60
Wind moderate all day; mean			
	temperature ..		61 0
	Ditto ditto for the week		55 8
8	7 a.m. fine,	wind SW	60
12	" "	" WNW	70
6 p.m.	" "	" W	58
Foggy at times during the day;			
	mean temperature ..		64 0
9	7 a.m. fine,	wind N	56
12	" "	" NW	60
6 p.m.	" "	" W	58
A beautiful day, wind moderate;			
	mean temperature ..		58 0
10	7 a.m. fine,	wind SW	58
12	" "	" W	64
6 p.m.	" "	" NW	66
Almost calm throughout the			
	day; mean temperature ..		60 0
11	7 a.m. fine,	wind W	56
12	" "	" N	66
6 p.m.	" "	" W	60
Light shifting winds all day;			
	mean temperature ..		61 0
12	7 a.m. fine,	wind SW	62
12	" "	" SW	70
6 p.m.	" foggy,	" SW	62
Almost calm a.m.: stormy p.m.;			
	mean temperature ..		66 0
13	7 a.m. fine,	wind NW	56
12	" "	" N	62
6 p.m.	" "	" SW	58
Wind moderate all day; mean			
	temperature ..		59 0
14	7 a.m. fine,	wind SW	58
12	" "	" SW	66
6 p.m.	" "	" SW	68
A good breeze all day; mean			
	temperature ..		62 0
	Ditto ditto for the week		61 4
15	7 a.m. fine,	wind SW	62
12	" "	" SW	72
6 p.m.	" "	" NE	62
Good breeze a.m., almost calm			
	p.m.; mean temperature		67 0
16	7 a.m. fine,	wind NE	58
12	" "	" NE	58
6 p.m.	" "	" SE	58
Almost calm till 8 a.m., good			
	breeze after; mean temperature		58 0
17	7 a.m. fine,	wind S	55
12	" "	" SE	70
6 p.m.	" "	" SE	56
Almost calm a.m.: good breeze			
	p.m.; mean temperature		62 5

July			DEG.
18	7 a.m. fine,	wind NE	54
12	" "	" SW	64
6 p.m.	" "	" SW	56
Wind moderate all day; mean			
	temperature ..		59 0
19	7 a.m. cloudy,	wind W	52
12	" "	" SW	64
6 p.m.	" fine,	" SW	56
Wind moderate all day; mean			
	temperature ..		58 0
20	7 a.m. fine,	wind SW	58
12	" "	" NW	63
6 p.m.	" "	" NE	56
Wind moderate all day; mean			
	temperature ..		59 5
28	7 a.m. fine,	wind N	58
12	" "	" NW	70
6 p.m.	" "	" NNE	63
Almost calm all day; mean			
	temperature ..		64 0
	Ditto ditto for the week		61 1
22	7 a.m. fine,	wind SSE	57
12	" cloudy,	" SE	70
9 p.m.	" "	" S	58
Nearly calm a.m., good breeze			
	p.m.; mean temperature ..		63 5
23	7 a.m. fine,	wind S	66
12	" "	" N	64
6 p.m.	" "	" W	66
Wind moderate all day; mean			
	temperature ..		65 0
24	7 a.m. fine,	wind W	66
12	" "	" W	70
6 p.m.	" "	" W	68
Good breeze throughout the day;			
	mean temperature ..		68 0
25	7 a.m. fine,	wind W	66
12	" "	" W	70
6 p.m.	" "	" W	68
Good breeze throughout the day;			
	mean temperature ..		68 0
26	7 a.m. fine,	wind SW	72
12	" "	" SW	76
6 p.m.	" "	" SSW	70
Wind moderate all day; mean			
	temperature ..		73 0
27	7 a.m. fine,	wind SW	70
12	" "	" SW	74
6 p.m.	" "	" SW	70
Wind moderate all day; mean			
	temperature ..		72 0
28	7 a.m. fine,	wind SW	66
12	" "	" SW	68
6 p.m.	" "	" SW	65
Wind boisterous all day; mean			
	temperature ..		66 5
	Ditto ditto for the week		59 4
29	7 a.m. raining,	wind SW	62
12	" "	" SW	66
6 p.m.	" fine,	" SW	64
Wind boisterous all day; mean			
	temperature ..		64 0

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July			DEG.	August			DEG.
30	7 a.m. fine,	wind SW	66	10	7 a.m. fine,	wind SW	70
12	"	" W	68	12	foggy,	" SW	72
6 p.m.	"	" NW	66	6 p.m.	"	" SW	68
Wind moderate all day; mean				Wind moderate all day; mean			
temperature ..			67 0	temperature ..			70 0
31	7 a.m. fine,	wind SW	70	11	7 a.m. foggy,	wind SW	68
12	"	" W	76	12	"	" SW	76
6 p.m.	"	" W	72	6 p.m.	"	" SW	64
Wind moderate all day; mean				Moderate a.m.: good breeze			
temperature ..			73 0	p.m.; mean temperature ..			70 0
Meantemperature for July, 1867			62 2	Ditto ditto for the week			66 0
August.							
1	7 a.m. fine,	wind SW	68	13	7 a.m. fine,	wind SW	66
12	"	" SW	74	12	"	" SW	74
6 p.m.	"	" SW	72	6 p.m.	"	" SW	65
Wind moderate all day; mean				A good breeze all day; mean			
temperature ..			71 0	temperature ..			69 5
2	7 a.m. fine,	wind S	74	14	7 a.m. fine,	wind SW	64
12	"	" SW	78	12	"	" SW	76
6 p.m. raining,	"	" SW	68	6 p.m. raining,	"	" SSW	64
A good breeze all day; mean				A good breeze till 5 p.m.;			
temperature ..			73 0	mean temperature ..			70 0
3	7 a.m. fine,	wind SSW	70	17	7 a.m. raining,	wind W	61
12	raining,	" SW	65	12	foggy,	" SW	68
6 p.m.	"	" N	55	6 p.m. fine,	"	" SW	64
Wind boisterous at times; mean				Wind moderate all day; mean			
temperature ..			62 5	temperature ..			64 5
4	7 a.m. fine,	wind SSE	54	16	7 a.m. fine,	wind SW	62
12	raining,	" S	58	12	"	" SW	68
6 p.m. fine,	"	" S	58	6 p.m.	"	" SW	64
Wind boisterous till 4 p.m.;				Wind moderate all day; mean			
mean temperature ..			56 0	temperature ..			65 0
Ditto ditto for the week			66 6	17	7 a.m. fine,	wind SW	64
5	7 a.m. fine,	wind WNW	60	12	"	" NNW	68
12	"	" SW	70	6 p.m. foggy,	"	" NE	64
6 p.m.	"	" SW	58	Wind moderate all day; mean			
A good breeze all day; mean				temperature ..			66 0
temperature ..			64 0	18	7 a.m. fine,	Calm	64
6	7 a.m. fine,	wind NNW	58	12	"	wind N	74
12	"	" W	68	6 p.m.	"	" NE	64
6 p.m.	"	" SW	62	Almost calm throughout the			
Wind moderate all day; mean				day; mean temperature ..			69 0
temperature ..			63 0	Ditto ditto for the week			65 7
7	7 a.m. foggy,	wind NE	58	19	7 a.m. fine,	wind SSE	60
12	"	" NE	64	12	"	" N	64
6 p.m. fine,	"	Calm	60	6 p.m.	"	" NE	62
Scarcely any wind all day;				Moderate a.m., almost calm			
mean temperature ..			61 0	p.m.; mean temperature ..			62 0
8	7 a.m. fine,	wind SW	58	20	7 a.m. raining,	wind E	60
12	"	" SW	74	12	"	" ESE	64
6 p.m.	"	" SW	64	6 p.m.	"	" ESE	56
A good breeze throughout the				Raining all day, very little			
day; mean temperature ..			66 0	wind; mean temperature ..			60 0
9	7 a.m. fine,	wind WSW	60	21	7 a.m. fine,	wind E	56
12	"	" WSW	70	12	raining,	" W	62
6 p.m.	"	" WSW	68	6 p.m.	"	" W	56
A beautiful day, wind moderate;				Wind moderate all day; mean			
mean temperature ..			68 0	temperature ..			59 0

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August		DEG.
22 7 a.m. fine;	wind WNW	56
12 " "	" WNW	60
6 p.m. "	" WNW	55
A good breeze all day; mean temperature ..		57 0
23 7 a.m. fine,	wind NW	55
12 " "	" W	66
6 p.m. "	" W	60
Wind moderate all day; mean temperature ..		60 5
24 7 a.m. fine,	wind W	60
12 " dull, cloudy,	" W	68
6 p.m. raining,	" NE	60
Wind moderate, and stormy, mean temperature ..		64 0
25 7 a.m. fog and rain, wind SSW		64
12 " foggy,	" W	68
6 p.m. "	" EW	58
Wind moderate all day; mean temperature ..		63 0
Ditto ditto for the week ..		60 7
26 7 a.m. fine,	wind NW	52
12 " "	" W	58
6 p.m. "	" W	52
A good breeze all day; mean temperature ..		55 0
27 7 a.m. fine,	wind SW	60
12 " squally,	" SW	64
6 p.m. fine,	" SW	60
Wind rough all day with squalls of rain; mean temperature ..		62 0
28 7 a.m. fine,	wind SW	64
12 " "	" SW	68
6 p.m. "	" SW	64
A good breeze all day; mean temperature ..		66 0
29 7 a.m. fine,	wind SW	66
12 " "	" SW	74
6 p.m. "	" SW	66
A good breeze all day; mean temperature ..		70 0
30 7 a.m. fine,	wind SW	70
12 " "	" SW	78
6 p.m. "	" SE	70
Wind moderate all day; mean temperature ..		74 0
31 7 a.m. raining,	wind W	58
12 " fine,	" NW	60
6 p.m. "	" NW	66
A good breeze all day; mean temperature ..		58 0
Meantemperature for Aug, 1867		64 3

## September.

1 7 a.m. fine,	wind SW	58
12 " "	" SW	70
6 p.m. "	" SW	60
A good breeze all day; mean temperature ..		64 0
Ditto ditto for the week		64 1

September		DEG.
2 7 a.m. raining,	wind E	54
12 " "	" NE	56
6 p.m. "	" NE	50
A good breeze and stormy all day; mean temperature ..		53 0
3 7 a.m. fine,	wind W	52
12 " "	" W	66
6 p.m. "	" WSW	56
Wind moderate all day; mean temperature ..		59 0
4 7 a.m. fine,	wind S	54
12 " "	" WNW	66
6 p.m. cloudy,	" SW	60
Wind moderate all day; mean temperature ..		60 0
5 7 a.m. cloudy,	wind W	61
12 " fine,	" W	66
6 p.m. "	" W	58
Moderate a.m., good breeze p.m.; mean temperature ..		62 0
6 7 a.m. fine,	wind W	60
12 " "	" W	70
6 p.m. "	" W	62
Wind moderate all day; mean temperature ..		65 0
7 7 a.m. fine,	wind W	61
12 " "	" W	73
6 p.m. dull, cloudy,	" SW	60
Wind moderate all day; mean temperature ..		66 5
8 7 a.m. fine,	wind N	55
12 " "	" N	58
6 p.m. "	" NE	52
Wind moderate all day; mean temperature ..		55 0
Ditto ditto for the week ..		62 9
9 7 a.m. fine,	wind W	54
12 " "	" WNW	64
6 p.m. "	" WNW	56
Wind moderate all day; mean temperature ..		59 0
10 7 a.m. dull, cloudy,	wind SW	58
12 " "	" SW	69
6 p.m. "	" SW	64
A good breeze all day; mean temperature ..		63 5
11 7 a.m. dull, cloudy,	wind NE	52
12 " "	" NE	54
6 p.m. "	" NE	52
A good breeze and stormy all day; mean temperature ..		53 0
12 7 a.m. fine,	wind SSW	51
12 " "	" SW	64
6 p.m. "	" SW	55
Wind moderate all day; mean temperature ..		57 5
13 7 a.m., rain and fog,	wind W	56
12 " foggy,	" W	63
6 p.m. "	" W	56
A good breeze a.m., moderate p.m.; mean temperature ..		59 5



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September		DEG.
14	7 a.m. rain and fog, wind NW	50
12	fine, " NW	52
	6 p.m. raining, " NW	50
	A good breeze and stormy all day; mean temperature ..	51 0
15	7 a.m. fine, wind NW	50
12	" " " WNW	53
	6 p.m. " " W	48
	A good breeze all day; mean temperature ..	50 5
	Ditto ditto for the week	56 1
16	7 a.m. fine, wind W	50
12	" " " W	56
	6 p.m. " " S	48
	A fine day with light shifting winds; mean temperature ..	52 0
17	7 a.m. fine, wind S	52
12	" " " NE	54
	6 p.m. " " S	48
	A beautiful day, wind moderate; mean temperature ..	51 0
18	7 a.m. fine, wind SW	56
12	raining, " SW	58
	6 p.m. " " SW	52
	Wind boisterous all day; mean temperature ..	55 0
19	7 a.m. fine, wind N	52
12	" " " N	54
	6 p.m. " " NW	50
	A good breeze all day; mean temperature ..	52 0
20	7 a.m. fine, wind S	46
12	" " " SW	58
	6 p.m. " " SW	54
	A good breeze all day; mean temperature ..	52 0
21	7 a.m. rain & fog, wind W	53
12	fine, " WNW	58
	6 p.m. " " Calm	55
	Wind boisterous a.m. ..	55 5
22	7 a.m. fine, wind S	48
12	" " " SW	58
	6 p.m. " " SW	54
	A beautiful day, wind moderate; mean temperature ..	53 0
	Ditto ditto for the week ..	52 9
23	7 a.m. raining, wind S	50
12	" " " NE	50
	6 p.m. fine, " NE	45
	Wind moderate a.m., rough p.m.; mean temperature ..	47 5
24	7 a.m. fine, wind NW	40
12	" " " NW	48
	6 p.m. " " WNW	46
	Wind boisterous all day; mean temperature ..	44 0
25	7 a.m. raining, wind W	50
12	fine, " W	58
	6 p.m. " " W	54
	Wind boisterous all day; mean temperature ..	54 0

September		DEG.
26	7 a.m. raining, wind NE	54
12	foggy, " NE	55
	6 p.m. " " NE	53
	Almost calm a.m., moderate p.m.; mean temperature ..	54 0
27	7 a.m. fine, wind NE	52
12	foggy, " NE	52
	6 p.m. raining, " NE	50
	A good breeze with rain p.m.; mean temperature ..	51 0
28	7 a.m. fine, wind W	50
12	" " " W	56
	6 p.m. " " W	54
	A beautiful day, wind moderate; mean temperature ..	53 0
29	7 a.m. fine, wind SW	55
12	" " " SW	58
	6 p.m. " " SW	56
	A beautiful day, wind moderate; mean temperature ..	56 5
	Ditto ditto for the week	51 3
30	7 a.m. raining, wind NE	48
12	" " " NE	50
	6 p.m. " " SE	50
	A good breeze all day; mean temperature ..	49 0
	Mean temperature for September, 1867 ..	55 2

## October.

1	7 a.m. fine, wind S	60
12	" " " S	68
	6 p.m. " " SSE	62
	A beautiful day, wind moderate; mean temperature ..	64 0
2	7 a.m. fine, wind S	52
12	" " " SSE	62
	6 p.m. " " NE	54
	A beautiful day, wind moderate; mean temperature ..	57 0
3	7 a.m. raining, wind WNW	50
12	cloudy, " W	52
	6 p.m. stormy, " W	52
	Wind moderate a.m., good breeze p.m.; mean temperature ..	51 0
4	7 a.m. stormy, wind W	46
12	fine, " WNW	44
	6 p.m. stormy, " NW	40
	Wind boisterous all day; mean temperature ..	43 0
5	7 a.m. fine, wind S	40
12	" " " NW	58
	6 p.m. " " NE	42
	A lovely day, light shifting winds; mean temperature ..	49 0
6	7 a.m. stormy, wind SE	42
12	cloudy, " SSE	56
	6 p.m. " " S	56
	A good breeze all day; mean temperature ..	49 0
	Ditto ditto for the week	51 7

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October		DEG.	October		DEG.
7	7 a.m. raining, wind SW	46	19	7 a.m. foggy, wind WNW	44
12	rain and fog, " W	45	12	misty rain, " WNW	44
6 p.m.	" " NW	42	6 p.m.	" " WNW	42
	Wind moderate all day; mean temperature ..	44 0		Wind moderate all day; mean temperature ..	43 0
8	7 a.m. stormy, wind NE	40	20	7 a.m. fine, wind NNW	34
12	cloudy, " NE	42	12	" " NNW	40
6 p.m.	rain and snow, " NE	38	6 p.m.	" " NNW	36
	Wind rough throughout the day; mean temperature ..	40 0		A good breeze all day; mean temperature ..	37 0
9	7 a.m. fine, wind N	34		Ditto ditto for the week	41 9
12	alest, " N	36	21	7 a.m. dull, cloudy, wind W	40
6 p.m.	snow-squalls, " NW	32	12	" " SW	44
	Blowing a gale of wind all day; mean temperature ..	34 0	6 p.m.	stormy " SW	42
10	7 a.m. fine, wind NW	36		A good breeze all day; mean temperature ..	42 0
12	" " NW	40	22	7 a.m. misty rain, wind SSW	50
6 p.m.	stormy, " NW	40	12	" " SW	54
	Wind rough a.m., good breeze p.m.; mean temperature ..	38 0	9 p.m.	" " SW	50
11	7 a.m. fine, wind N	40		A good breeze all day; mean temperature ..	52 0
12	" " NE	42	23	7 a.m. raining, wind SW	50
6 p.m.	" " NE	40	12	" " W	48
	A beautiful day, wind moderate; mean temperature ..	41 0	6 p.m.	" " N	38
12	7 a.m. fine, wind SE	33		A good breeze a.m., moderate p.m.; mean temperature ..	44 0
12	" " SE	50	24	7 a.m. fine, wind N	32
6 p.m.	" " SE	42	12	" " NW	34
	A beautiful day, wind moderate; mean temperature ..	41 5	6 p.m.	" " N	32
13	7 a.m. raining, wind S	42		A good breeze a.m., moderate p.m.; mean temperature ..	33 0
12	stormy " S	48	25	7 a.m. fine, wind E	30
6 p.m.	" " S	46	12	" " NE	34
	A good breeze all day; mean temperature ..	45 0	6 p.m.	" " NE	32
	Ditto ditto for the week	40 5		A beautiful day, wind moderate; mean temperature ..	32 0
14	7 a.m. dull, cloudy, w. WNW	40	26	7 a.m. fine, wind E	28
12	" " " NW	42	12	" " NE	34
6 p.m.	raining, " NE	38	6 p.m.	cloudy, " NE	33
	Wind moderate all day; mean temperature ..	40 0		Moderate a.m. good breeze p.m.; mean temperature ..	31 0
15	7 a.m. dull, cloudy, wind NE	38	27	7 a.m. snowing, wind NE	36
12	" " " N	41	12	rain and snow " N	36
6 p.m.	" " " NW	40	6 p.m.	cloudy, " N	36
	Moderate a.m., almost calm p.m.; mean temperature ..	39 5		A good breeze all day; mean temperature ..	36 0
16	7 a.m. fine, wind S	32		Ditto ditto for the week	35 7
12	" " " W	48	28	7 a.m. cloudy, wind W	38
6 p.m.	" " " SW	38	12	" " " W	40
	A lovely day and almost calm; mean temperature ..	40 0	6 p.m.	" " " W	38
17	7 a.m. fine, wind S	44		Moderate a.m., good breeze p.m.; mean temperature ..	39 0
12	dull, cloudy, " SW	48	29	7 a.m. fine, wind S	42
6 p.m.	stormy, " SW	46	12	" " " N	46
	A good breeze all day; mean temperature ..	46 0	6 p.m.	" " " NE	40
18	7 a.m. dull, cloudy, wind N	50		A very moderate and beautiful day; mean temperature ..	43 0
12	raining, " SW	52	30	7 a.m. fine, wind SE	32
6 p.m.	" " " WSW	44	12	cloudy, " S	46
	A good breeze all day; mean temperature ..	48 0	6 p.m.	" " " S	38
				Wind moderate all day; mean temperature ..	39 0

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October		DEG.	November		DEG.
31	7 a.m. fine, wind S	42	11	7 a.m. foggy, wind N	44
12	stormy, " S	50	12	raining, " NE	40
6 p.m.	raining, " S	38	6 p.m.	fine, " NW	40
Moderate a.m., good breeze p.m.; mean temperature ..		44 0	Almost calm a.m. and p.m., good breeze midday; mean temperature ..		42 0
Ditto ditto for October, 1867		42 7	12	7 a.m. dull, cloudy, wind SW	40
November.			12	foggy, " N	43
1	7 a.m. fine, wind N	40	6 p.m.	raining, " E	40
12	stormy, " N	44	Almost calm throughout the day; mean temperature ..		41 5
6 p.m.	" " N	36	13	7 a.m. dull, cloudy, wind SSW	56
A good breeze all day; mean temperature ..		40 0	12	fine, " S	62
2	7 a.m. fine, wind NE	34	6 p.m.	squally, " S	58
12	" " NE	37	A good breeze all day, but very warm; mean temperature ..		59 0
6 p.m.	foggy, " E	35	14	7 a.m. raining, wind SW	42
Wind moderate all day; mean temperature ..		35 5	12	stormy, " SW	43
3	7 a.m. misty rain, wind N	35	6 p.m.	" " W	38
12	foggy, " NW	38	Nearly calm a.m., good breeze p.m.; mean temperature ..		40 5
6 p.m.	" " NW	36	15	7 a.m. cloudy, wind NW	32
Wind boisterous all day; mean temperature ..		36 5	12	snowing, " NE	30
Ditto ditto for the week ..		39 5	6 p.m.	dull, cloudy, " W	28
4	7 a.m. fine, wind W	34	Wind moderate but very variable; mean temperature ..		30 0
12	sleet, " S	40	16	7 a.m. fine, wind NW	20
6 p.m.	raining, " S	42	12	" " NW	26
Moderate a.m., boisterous p.m.; mean temperature ..		38 0	6 p.m.	" " NW	20
5	7 a.m. fine, wind WNW	34	A fine day, wind moderate; mean temperature ..		23 0
12	" " WNW	36	17	7 a.m. snowing & drifting w. SSE	26
6 p.m.	" " NW	34	12	snow and rain, " SSE	33
A good breeze all day; mean temperature ..		35 0	6 p.m.	misty rain, " S	38
6	7 a.m. fine, wind S	26	A gale of wind a.m., good breeze p.m.; mean temperature ..		32 0
12	" " S	38	Ditto ditto for the week ..		38 2
6 p.m.	" " S	30	18	7 a.m. snowing, wind W	34
Wind moderate all day; mean temperature ..		32 0	12	snowing & drifting, " SW	35
7	7 a.m. snowing, wind E	30	6 p.m.	fine, " SSW	26
12	fine, " E	35	A good breeze all day; mean temperature ..		30 5
6 p.m.	" " E	30	19	7 a.m. fine, wind NW	22
Wind moderate all day; mean temperature ..		32 5	12	" " NW	24
8	7 a.m. fine, wind NE	30	6 p.m.	snowing, " W	22
12	" " N	32	A good breeze all day; mean temperature ..		23 0
6 p.m.	" " NW	30	20	7 a.m. fine, wind N	22
A beautiful day, wind moderate; mean temperature ..		31 0	12	snow-squalls, " NW	33
9	7 a.m. snowing, wind NW	28	6 p.m.	" " W	22
12	" " NW	34	Wind moderate a.m., good breeze p.m.; mean temperature ..		22 5
6 p.m.	" " SW	36	21	7 a.m. snowing, wind SE	20
Wind moderate all day; mean temperature ..		32 0	12	" " SE	27
10	7 a.m. cloudy, wind SSW	40	6 p.m.	fine, " NW	22
12	misty rain, " SW	46	Nearly calm a.m., good breeze p.m.; mean temperature ..		23 5
6 p.m.	foggy, " SW	44	22	7 a.m. fine, wind N	20
Wind moderate all day; mean temperature ..		43 0	12	" " N	22
Ditto ditto for the week		34 7	6 p.m.	" " N	20
			Wind moderate all day; mean temperature ..		21 0

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November		DEG.
23	7 a.m. fine, wind SE	18
12	" " " SE	29
	6 p.m. snowing, " SE	24
	Almost calm throughout the day; mean temperature ..	23 5
24	7 a.m. dull, cloudy, Calm	28
12	" " " "	34
	6 p.m. " " " "	32
	A nice day for the time of year; mean temperature ..	31 0
	Ditto ditto for the week ..	25 0
25	7 a.m. dull, cloudy, wind SE	32
12	" " " " S	35
	6 p.m. " " " SW	34
	Wind moderate all day; mean temperature ..	33 5
26	7 a.m. dull, cloudy, wind SW	34
12	" " " " SW	38
	6 a.m. misty rain, " SW	38
	Wind moderate all day; mean temperature ..	36 0
27	7 a.m. misty rain, wind SW	42
12	" " " " SW	42
	6 p.m. " snowing, " NW	36
	A good breeze all day; mean temperature ..	39 0
28	7 a.m. fine, wind SE	28
12	" " " " S	34
	6 p.m. " " " S	30
	Wind moderate all day; mean temperature ..	31 0
29	7 a.m. fine, wind S	28
12	" " " " NE	34
	6 p.m. " " " S	28
	A lovely day, and almost calm; mean temperature ..	31 0
30	7 a.m. dull, cloudy, wind S	29
12	" rain-squalls, " S	35
	6 p.m. squally, " S	42
	Blowing a gale of wind all day; mean temperature ..	32 0
	Ditto for November, 1867	

## December.

1	7 a.m. snowing, wind W	30
12	" snow-squalls, " WNW	28
	6 p.m. raining, " WNW	18
	A gale of wind and very heavy sea; mean temperature ..	23 0
	Ditto " for the week ..	32 2
2	7 a.m. light snow, wind NW	18
12	" " " " NW	22
	6 p.m. " " " E	22
	Wind moderate all day; mean temperature ..	20 0
3	7 a.m. fine, wind SW	22
12	" " " " S	28
	6 p.m. " cloudy, " S	25
	Wind moderate all day, mean temperature ..	25 0

December.		DEG.
4	7 a.m. Fall of snow, w. NW	30
12	" snow-squalls, " WNW	28
	6 p.m. " " " SW	25
	Blowing a good breeze all day; mean temperature ..	27 5
5	7 a.m. drifting snow, w. NW	14
12	" snow-squalls, " WNW	15
	6 p.m. " " " WNW	14
	A good breeze and very heavy sea; mean temperature ..	14 5
6	7 a.m. light snow, wind NE	12
12	" " " " N	10
	6 p.m. " " " NW	10
	Wind moderate a.m., good breeze p.m.; mean temperature ..	11 0
7	7 a.m. snowing, wind SE	11
12	" snowing & drifting " S	22
	6 p.m. light snow, " S	32
	A good breeze and squally all day; mean temperature ..	21 5
8	7 a.m. snowing, wind W	24
12	" " " " W	22
	6 p.m. " " " W	22
	A good breeze and squally all day; mean temperature ..	23 0
	Ditto ditto for the week ..	20 3
9	7 a.m. snowing, wind SW	13
12	" fine, " SW	20
	6 p.m. " " " SW	14
	A good breeze all day; mean temperature ..	16 5
10	7 a.m. snowing, wind S	12
12	" " " " W	18
	6 p.m. " " " NW	14
	A very rough snowy day; mean temperature ..	15 0
11	7 a.m. fine, wind SE	6
12	" " " " S	18
	6 p.m. " " " SE	14
	A beautiful, moderate day; mean temperature ..	12 0
12	7 a.m. snowing, wind W	16
12	" " " " W	20
	6 p.m. " " " NW	18
	A very rough snowy day; mean temperature ..	18 0
13	7 a.m. light snow, wind N	15
12	" " " " E	16
	6 p.m. " " " SE	12
	Wind moderate all day; mean temperature ..	14 0
14	7 a.m. fine, wind E	Zero.
12	" " " " NE	9
	6 p.m. " " " E	4
	A beautiful day, wind moderate; mean temperature ..	4 5
15	7 a.m. fine, wind NW	12
12	" " " " W	22
	6 p.m. " " " W	20
	A lovely day for the time of year; mean temperature ..	17 0
	Ditto ditto for the week	13 8

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December.		DEG.	December.		DEG.
16 7 a.m. dull, cloudy, wind SE	25		24 7 a.m. snowing, wind NE	23	
12 snowing, " E	25		12 " " NW	23	
6 p.m. " SE	26		6 p.m. " W	18	
Almost calm a.m., very rough			A good breeze a.m., moderate		
p.m.; mean temperature ..	25 5		p.m.; mean temperature ..	20 5	
17 7 a.m. dull and calm	28		25 7 a.m. snowing, wind SW	24	
12 foggy, wind N	33		12 " " NE	14	
6 p.m. snowing, " NW	30		6 p.m. " " NE	8	
Wind moderate all day; mean			Moderate a.m., very rough p.m.;		
temperature ..	30 5		mean temperature ..	16 0	
18 7 a.m. snowing, wind N	28		26 7 a.m. fine, wind SE	5	
12 " " NW	30		12 snowing, " S	12	
6 p.m. " " NW	28		6 p.m. " " S	20	
Wind moderate all day; mean			Nearly calm a.m., very rough		
temperature ..	29 0		p.m.; mean temperature ..	12 5	
19 7 a.m. snowing, wind N	20		27 7 a.m. fine, wind NW	14	
12 " " N	13		12 light snow, " NW	12	
6 p.m. " " NW	8		6 p.m. fine, " NW	10	
Wind moderate all day; mean			A good breeze all day; mean		
temperature ..	14 0		temperature ..	12 0	
20 7 a.m. snowing, wind NW	4		28 7 a.m. raining, wind SW	38	
12 " " NW	8		12 fine, " W	34	
6 p.m. " " NW	6		6 p.m. snowing, " W	28	
Wind moderate a.m., good breeze			A good breeze all day; mean		
p.m.; mean temperature ..	6 0		temperature ..	33 0	
21 7 a.m. fine and calm	8		29 7 a.m. fine, wind WNW	12	
12 " " wind E	16		12 snowing, " NW	10	
6 p.m. light snow, " E	12		6 p.m. snow-squalls, " NW	8	
A beautiful day and almost calm;			A good breeze all day; mean		
mean temperature ..	12 0		temperature ..	10 0	
22 7 a.m. dull, cloudy, wind N	10		Ditto ditto for the week	18 0	
12 light snow, " N	8		30 7 a.m. vapoury, wind WNW	Zero.	
6 p.m. " " NW	7		12 light snow, " NW	1	
Wind moderate all day; mean			6 p.m. " " NW	Zero.	
temperature ..	8 5		A good breeze all day; mean		
Ditto ditto for the week	17 9		temperature ..	0 5	
23 7 a.m. snow & drifting, w. SE	14		31 7 a.m. snowing, wind NW	-9	
12 light snow, " S	24		12 vapoury, " NW	-5	
6 p.m. " " SW	30		6 p.m. light snow, " NW	-4	
Very rough a.m., good breeze			A good breeze all day; mean		
p.m.; mean temperature ..	22 0		temperature ..	-6 5	
			Ditto ditto for the two days	-3 0	
			Ditto for December, 1867		